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No. 29] NEW DELHI, SATURDAY, JULY 16, 1988 (ASADHA 25, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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52. Jose, M. A. M/s. DePenning & DePenning, 16 Nepean Sea Road, "Alakranda", Bombay-400036.
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54. Joshi, N. K. Chotti Dhantoli, Nagpur.

- 55 Kane H W, Servants of India Society's Building, Sardar Vallabhbhai Patel Road, Bombay-400001
- 56 Kane, W S, Servants of India Society's Building, Sardar Vallabhbhai Patel Road, Bombay-400004
- 57 Kapoor R N 1700, Apsara, Arya Samaj Road, Karol Bagh, New Delhi
- 58 Kaul, J K 606 Rohit House, 3, Tolstoy Marg, New Delhi-110001
- 59 Kayser, I N Raja Bahadur Mansan, 2nd Floor, Room No 51 20, Ambalal Doshi Marg, Bombay 400023
- 60 Kani, A R, 16, Dattatraya Road, Santacruz West, Bombay-400054
- 61 Kumari K (Miss) 2 135 Khosla Niwas, Talang Cross Road, Matunga, Bombay-400019
- 62 Lall A R N 128, Panchsheel Park, New Delhi-110017.
- 63 Majumdar S M/s H V Williams & Co, 17, Camac Street, Calcutta-700017
- 64 Mathotia S C M/s International Trade Marks Bureau, Ghia Niwas, 3rd Floor, 73/75, Suter Chawl /averi Bazar Bombay 400002
- 65 Mamak, I M S, B-464, New Friends Colony, New Delhi-110065
- 66 Mani, K S, M/s Crawford & Bayley & Co, State Bank Building Bank Street, Bombay-400023
- 67 Maniar, C M, M/s Crawford Bayley & Co, State Bank Building, Bank Street Bombay 400023
- 68 Marwaha, K B 6 322 Raja Park, Jaipur-302004
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- 70 Mehta, R K M/s Little & Co, Central Bank Building, Flora Fountain Bombay-400023
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- 72 Menon, M V M/s DePenning & DePenning, 31, Wallajah Road, Madras 600002
- 73 Mishra, S E-11 Nirfon Colony Goregaon (E), Bombay-400063
- 74 Mukherjee, B Legal Officer Indian Petrochemicals Corporation Ltd, P O Petrochemicals, Dist Vado dara Gujarat 391346
- 75 Mukherjee, S N 1/14 East Mall, Dum Dum Calcutta
- 76 Muralidharan, R M/s Remity & Son, 'Kanchenjunga' 18 Barakhamba Road, New Delhi 110001
- 77 Nagpaul A N 5/10, West Patel Nagar, New Delhi 110008.
- 78 Nair, R R M/s DePenning & DePenning, 31, Wallajah Road, Madras-600002
- 79 Nair V G 'Alaknanda', 4th Floor, 16, Nepean Sea Road, Bombay-400036
- 80 Narasimhan S Y V 27 State Bank Street, Gobichetuppalavam-636452 Tamil Nadu
- 81 Niyogi, B K 6/7C, Acharya Jagadish Bose Road, Calcutta 700017.
- 82 Pai P B M/s P S Pai & Co, Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay 400001.
- 83 Pai, R B Sri Dunga Lakshmi Niwas, 1442A, 39th E Cross, Between 18th & 19th Mains, Jayanagar IV, T Block, Bangalore-560011
- 84 Pai, R V, 1D, Nazar Ali Lane, Calcutta-700019
- 85 Ponkshe, S S M/s Bhate & Ponkshe, 1423 (New) Shukrawar Peth, Pune 411002
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- 87 Ramchandran, R, No 19, 2nd Street, Balaji Nagar, Rayapettah, Madras-600014.
- 88 Ramachandran, S, C-2/209, Janakpuri, New Delhi-110058
- 89 Ramakrishna, N M M/s R K Dewan & Co, 78, Podar Chambers, S A Brelvi Road, Fort, Bombay-400 001
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- 91 Rao, V N 77, Madhugiri Apartments, 408, Sion Trombay Road, Chembur Bombay 400071.
- 92 Ray, B G 22/2, Manohar Pukur Road, Calcutta 700029
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- 94 Roychowdhury, S K 33 Baker Road, Alipore, Calcutta-700027.
- 95 Sagar, J M/s Sagar & Co, 'Kanchenjunga' 18, Barakhamba Road, New Delhi 1100001.
- 96 Sagar, V (Dr), M/s Remity & Son, 'Kanchenjunga', 18, Barakhamba Road, New Delhi 1100001.
- 97 Sahu, A M M/s Trade Marks Registration Bureau, 1 Netaji Subhash Road, Calcutta-700001
- 98 Sahu, A 2489, Malowa Street, Pahar Ganj, New Delhi-55
- 99 Salhotra, A (Mrs), N 128, Panch Sheel Park, New Delhi-110017
- 100 Sen D M/s S N Deb & Co, 6 Old Post Office Street, Ground Floor, Calcutta-700001
- 101 Shah, B S M/s Crawford Bayley & Co, State Bank Building, Bank Street, Bombay-400023.
- 102 Shah, I S (Miss), Plot No 656 20th Road, Khar, Bombay-400052.
- 103 Shah N S (Miss), 20th Road, Khar, Bombay-400052.
- 104 Shah R C K, Chamber No 35, City Civil Court Compound, Bhandra, Ahmedabad-1
- 105 Shah, S B 20th Road, Khar, Bombay-400052
- 106 Shah V F M/s Shah & Shah, 654, J Sankar Shet Marg, Bombay-400002
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111. Singh, V. C. 7/111, Gita Sion (West), Bombay-400022.
112. Singh, A. K. M/s. Sinsons & Co., 16, Sastitala Road, Calcutta-700011.
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119. Virmani, C. K. M/s. Remfry & Son, 'Kanchenjunga' 18, Barakhamba Road, New Delhi-110001.
120. Yadav, R. P. M/s. L. S. Davar & Co., 1B & 1C, 'Monalisa' 17, Camac Street, Calcutta-700017.

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The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 8th June 1988

- 468/Cal/88. Indrajit Chaliha. A novel heddle for use in weaving looms.
- 469/Cal/88. Metallgesellschaft Aktiengesellschaft. Process for the direct reduction of iron oxide containing materials in a rotary kiln.
- 470/Cal/88. Alan David Pitt. Security grille and manufacturing method. (Convention dated 26th June, 1987 and 2nd March, 1988) both are U. K.
- 471/Cal/88. American Sterilizer Company. Flow-through vapor phase sterilization system.

The 9th June 1988

- 472/Cal/88. Bernd Hansen. Process and apparatus for filling and sealing a container, and a container made thereby.
- 473/Cal/88. Nikolai Pvalovich Popov (2) Grigory Naumovich Klotsov (3) Andrei Dmitrievich Plotnikov; (4) Israfil Teimurovich Talyshinsky; (5) Evgeny Andreevich Tretyakov. Asynchronous Motor.

The 10th June 1988

- 474/Cal/88. Edward A DeLong and Edward Paul DeLong. Method of molding using dissociate lignocellulosic material and the product so produced.
- 475/Cal/88. Institut Gornogo Dela Sibirskogo Otdelenia Akademii Nauk SSSR. Device for making holes in soil.
- 476/Cal/88. Spofa spojenc podniky prozdravotnickou vyrob. A process and apparatus for conducting continuous, semicontinuous or batchwise enzymic biotransformations.
- 477/Cal/88. Ajit Raj Singh Bhagat. Fibreglass reinforced mastic asphalt.

The 13th June 1988

- 478/Cal/88. JENCORP NOMINEES LIMITED, Roof truss and beam therefor (Convention dated 12th June, 1987) Australia.
- 479/Cal/88. Voest-Alpine Aktiengesellschaft. Driving arrangement for the cutting heads or rolls of an advancing or mining machine.
- 480/Cal/88. Ablestion Industries, Inc., Heating stove which includes a pyrolysis gasifier.
- 481/Cal/88. Helmuth Schmoock. Method of and apparatus for making leather-containing laminates.

The 14th June 1988

- 482/Cal/88. Hoechst Celanese Corporation. Process for the regiospecific sulfonation of 2-amino-naphthalenes substituted in the 5- or 7-position by a fibre-reactive VS-group, the novel 5-sulfo-substituted fibre-reactive 2-amino-naphthalene, and fibre reactive azo dyes thereof.
- 483/Cal/88. Kelsey-Hayes Company. Vehicle anti-lock brake system.
- 484/Cal/88. E. I. Du Pont De Nemours & Company and Du Pont Canada Inc. An explosive composition.

The 15th June 1988

- 485/Cal/88. Siemens Aktiengesellschaft. Front plug system lagging and contact arrangement.
- 486/Cal/88. Krone Aktiengesellschaft. Connector bank for telecommunication devices.
- 487/Cal/88. Makeevsky Inzhenerno-Stroitelny Institut. Air-blasting cartridge.
- 488/Cal/88. DR. Anil Krishna Kar. Improved fibre reinforced concrete sleepers.

APPLICATION FOR PATENTS FILED AT
THE PATENT OFFICE BRANCH

61, WALLAJAH ROAD, MADRAS-600 002

The 23rd May 1988

- 339/Mas/88. Gummadipoondi Solar Products Private Ltd. Thermally powered pumping system.
- 340/Mas/88. Caterpillar Inc., Clutch brake steering. (October 5, 1987; Canada).
- 341/Mas/88. Caterpillar Inc., Method for monitoring a work vehicle suspension. (November 16, 1987; Canada).
- 342/Mas/88. Inventio AG. Elevator propulsion (or drive) with control device for smooth (or jerk-free) start-up.
- 343/Mas/88. Laboratories Delagrange. Process for the preparation of dihydrobenzotriuran and chroman-carboxamide derivatives.
- 344/Mas/88. Jaggavarapu VenkataRama. Unidirectional drive unit.
- 345/Mas/88. Srinivasulu Naidu Thiruvankatesalu. An improved dry type submersible motor.

The 24th May 1988

- 346/Mas/88. Ponnampalam Tharmaratnam. A method of injection moulding fully automatically, long, slender, hollow cored thermoplastic components having external threads at both ends and whose external surfaces are such as to require split cavities for component release and a mould manufactured thereby.

- 347/Mas/88. Merlin Gerin. Operating mechanism of a miniature electrical circuit breaker.
- 348/Mas/88. Inventio AG. Arrival regulating equipment for a lift.
- 349/Mas/88. Digital Equipment Corporation. System for producing dithered images on asymmetric grids.
- 350/Mas/88. Krober Lutz. Tube for adhesive material.

The 25th May 1988

- 351/Mas/88. Widia (India) Limited. A combined set of grinding wheels for grinding rock roller bit components.
- 352/Mas/88. Widia (India) Limited. A rock roller bit and a method of manufacturing the same.
- 353/Mas/88. Widia (India) Limited. A method of grinding rock bit legs and a hydromechanical fixture therefor.
- 354/Mas/88. Harald Kolvereid. A fixing device and a tool for securing the same.
- 355/Mas/88. ELI Cohen. Shoe with mid sole including compressible bridging elements and deflection inhibiting elements.
- 356/Mas/88. Templeton, Kenly & Co., Valve for hydraulic cylinders and the like.
- 357/Mas/88. Firma Theodor Hyman. A method of and arrangement for applying a surface pressure to workpieces driven by a pressing band.
- 358/Mas/88. Union Carbide Corporation. Improved process for the preparation of the parylene dimer.

The 26th May 1988

- 359/Mas/88. K. A. Ranghachary. Emergency lantern.
- 360/Mas/88. K. A. Ranghachary. Bicycle water pump.
- 361/Mas/88. S. V. Krishna Rao. Improved additional mechanism for Telugu Typewriter.
- 362/Mas/88. Poseco International Limited. Metal casting patterns. (June 10, 1987; Great Britain).
- 363/Mas/88. British-American Tobacco Company Limited. Improvements relating to the manufacture of Tobacco smoke filters. (May 28, 1987; United Kingdom).
- 364/Mas/88. British-American Tobacco Company Ltd. Improvements relating to the expansion of tobacco.

The 27th May 1988

- 365/Mas/88. Robert Stewart Knight. Public address amplifier. (May 27, 1987; Great Britain).
- 366/Mas/88. Institut Francais Du Petrole. Olefin polysulfide compositions of high sulfur contents and very low chlorine contents, their manufacture and use as additives for lubricants.
- 367/Mas/88. Institut Francais Du Petrole. System for acquiring and recording signals delivered by a set of sensors disposed in well probes.
- 368/Mas/88. Sripoorna Plastech Private Limited. An improved inspection chamber.
- 369/Mas/88. Widia (India) Limited. Improved bucket teeth for a bucket wheel excavator and a method of manufacturing the same.

ALTERATION OF DATE

162853.

Ante dated to 7th August, 1981.

(110/Del/85)

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CLASS : 32-F, a.

162821

Int. Cl. : C 07 c 43/23.

NEW PROCESS FOR THE SYNTHESIS OF O-ISOPROPOXYPHENOL.

Applicant : ENICHEM SINTESI S.P.A., 01 VIA RUGGERO, SETTIMO 55, BALERMO, ITALY.

Inventors : 1. PAOLO MAGGIONI, 2. FRANCESCO MINISCI, 3. MARIANO CORREALE.

Application No. 29/Cal/85 filed January 16, 1985.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

1. A process for preparing o-isopropoxyphenol (I) by means of the reaction as illustrated in Fig. 1 of the accompanying drawings which includes compounds of formulae I, II and III, in which x is a halogen atom, characterised by reacting pyrocatechol (II) with an isopropyl halide (III) in the presence of an alkaline base in the solid state and of a quaternary ammonium or quaternary phosphonium salt as a solid liquid phase transfer catalyst, in a reaction medium constituted by one or more organic solvents and in a nitrogen atmosphere, under agitation at temperature between 50° and 150° C.

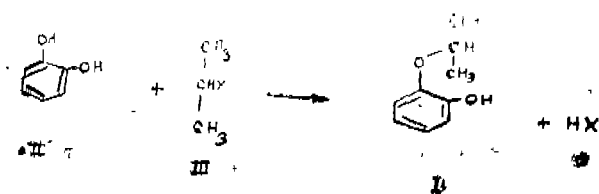


Fig. 1

Compl. specn. 12 pages.

Fig. 1 sheet

CLASS :

162822

9 Claims

Int. Cl. : F 28 g 7/00.

IMPROVED APPARATUS FOR DESLAGGING STEAM GENERATOR TUBES.

Applicant : NEUNDORFER, INC., OF WILLOUGHBY, OHIO 44094, UNITED STATES OF AMERICA.

Inventor : I. MARK H. NEUNDORFER.

Application No. 44/Cal 85 filed January 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

1. Apparatus for deslagging parallel tubes in a steam generator by application of high frequency shock energy comprising vibrator means for producing high frequency shock energy, base plate means extending across and contacting portions of each of a plurality of said parallel tubes for distributing said high frequency shock energy over a relatively large area of said plurality of tubes, means connecting said vibrator means to said base plate means for transmitting high frequency shock energy from said vibrator means to said base plate means, said connecting means including at least one interference fit tapered connection, and wherein means are provided for securing the base plate means in a position against the plurality of tubes to effect good transmission of high frequency shock energy while permitting thermal expansion of the tubes during operation of said steam generator.

Compl. specn. 30 pages.

Drgs. 8 sheets

CLASS : 101-A & F.

162823

Int. Cl. : E 02 b 3/00.

FROND LINES FOR FILTERING PARTICULATE MATERIAL AND METHOD OF MAKING SAME.

Applicant & Inventor : PETER ALSOP, OF ST. GEORGES HOUSE, IVYCHURCH, KENT, ENGLAND.

Application No. 52/Cal/85 filed January 28, 1985.

Convention dated 30th January, 1984 (8402361) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

1. A frond line for filtering particulate material from currents flowing over a river or sea bed, the line comprising a substantially continuous curtain of elongate buoyant elements extending transversely in a common direction from a flexible anchor line, the elements at least partially overlapping one another to provide the required density of elements along the line.

Compl. specn. 14 pages.

Drgs. 5 sheets

CLASS : 6-Aa; 156-B, D & H.

162824

Int. Cl. : F 16 j 1/00, 1/01.

PISTON OR PLUNGER PUMP IN PARTICULAR IN THE HIGHEST PRESSURE PUMPS FOR CONVEYING AGGRESSIVE AND CORROSIVE MEDIA.

Applicant : URACA PUMPENFABRIK GMBH & CO. KG., SIRCHINGER STRASSE 5, D-7432 BAD URACH 1, WEST GERMANY.

Inventor : I. NABIL HANAFL.

Application No. 82/Cal/85 filed February 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1. A piston or plunger pump in particular in the highest pressure pumps for conveying aggressive and corrosive media, comprising at least one piston or plunger; a cylinder part coaxial thereto which accommodates the working chamber of the piston or plunger; a cylinder head which accommodates a cylindrical pressure chamber which is coaxially disposed relative to the piston or plunger and is connected to a pressure line; and a central valve housing which is axially arranged between the working chamber of the piston or plunger and the pressure chamber, which is sealed relative to the cylinder part and also the cylinder head by means of seals and which has seats for suction and discharge valves arranged at its end faces at least one axial passage controlled by the discharge valve and also a suction passage extending from its peripheral surface to the suction valve side end surface and controlled by the suction valve, characterised in that the central valve housing (36) can be inserted through an end face opening of the cylinder head (16) remote from the piston or plunger (3) into the cylinder head and can be secured by means of a base part (30) which closes the opening and which can be sealed relative to the cylinder part (13) and the cylinder head (16), by the base part (30) axially clamping the central valve housing (36) against the cylinder part (13), or against the seal (39) that is arranged there, by means of a piston-like part (32) which can be inserted into the pressure chamber (9) and which is acted on at its two end faces by the pressure of the pump medium in the pressure chamber (9), and by the base part pressing ring seals (31, 35), which are arranged between the piston-like part (32) and the base part (30) and also the central valve housing (36) in peripheral grooves formed between the respective parts to transmit the axial clamping forces, radially outwardly against the wall of the pressure chamber (9) while deforming them.

Compl. specn. 18 pages.

Drg. 1 sheet

CLASS : 50-E & L.

162825

Int. Cl. : F 25 d 29/00.

A REFRIGERATION SYSTEM HAVING AN EVAPORATOR FOR COOLING A HEAT TRANSFER FLUID PASSED THROUGH THE EVAPORATOR.

Applicant : CARRIER CORPORATION, AT 6204 CARRIER PARKWAY, P.O. BOX 4800, SYRACUSE NEW YORK 13221, UNITED STATES OF AMERICA.

Inventors : 1. RICHARD GARY FORD, 2. KENNETH JAMES NIEVA.

Application No. 254/Cal/85 filed April 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

1. A refrigeration system having an evaporator for cooling a heat transfer fluid passed through the evaporator, a control system for protecting the evaporator against over-heats of the heat transfer fluid passed through the same, comprising :

means for determining the absolute temperature difference between the temperature of the heat transfer fluid in the evaporator and the temperature of the heat transfer fluid leaving the evaporator; and

means for shutting down the operation of the refrigeration system when the temperature of heat transfer fluid in the evaporator is less than the temperature of heat transfer fluid leaving the evaporator by a preselected amount.

Compl. specn. 11 pages.

Drg. 1 sheet

CLASS : 32-F- b; 55-F.

162826

Int. Cl. : A 61 k 27/00; C 07 d 51/00, 57/00.

A PROCESS FOR PRODUCING STABLE SULPHO-ADENOSYL-METHIONINE (SAME) SALTS.

Applicant : BIORESEARCH SpA., OF LOCALITA ROGGIA DIPOLO, LISCATE (MILANO), ITALY.

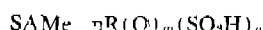
Inventor : L. FEDERICO GENNARI.

Application No. 316/Cal/85 filed May 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

1. A process for producing stable sulpho-adenosyl-I-methionine (SAME) Salts particularly suitable for pharmaceutical use, corresponding to the general formula



where m can be zero or 1; n is 1.5 when p is 2, and is 3 when p is 1; R is chosen from the group consisting of alkyl, phenylalkyl and carboxyalkyl, in which the linear or branched alkyl chain contains from 8 to 18 carbon atoms, and in particular for producing SAME Salts of sulphonic acids, or of sulphuric acid esters, or of diethylphosphosuccinic acid, characterised by (a) enriching in a known manner the starting yeast with SAME; (b) lysing the cells and recovering an aqueous solution rich in SAME (cell lysate); in a manner as herein described (c) purifying the cell lysate by ultra-filtration; (d) precipitating stable SAME salts by treating the cell lysate with said sulphonic acids or with said sulphuric acid esters or with said diethylphosphosuccinic acid such that the molar ratio of said precipitants to SAME is between 5:1 and 2.5:1, and preferably 3.5:1; (e) separating the precipitate, washing it and drying it under vacuum.

Compl. specn. 24 pages

Drg. Nil

CLASS : 206-E.

162827

Int. Cl. : G 05 b 23/00.

DEVICE FOR MONITORING THYRISTORS

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH WEST GERMANY.

Inventor : I. QUOC-HUU THI.

Application No. 506/Cal/85 filed July 9, 1985

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

1. A device monitoring the operating status of power switching thyristors comprising :

a control unit generating control signals in a standard manner for initiating firing of the thyristors;

a plurality of firing circuits each connected across a respective thyristor receiving some of the available power during a non-conducting condition of said respective thyristors and having a firing rules output connected to a respective thyristor control input;

said control unit connecting to each of said plurality of firing circuits initiating a respective control firing rule to said respective thyristor if said control unit received power during a previous non-conducting condition of said thyristor;

each firing circuit further comprising a protective firing device protectively firing said respective thyristor with a protective firing signal upon an occurrence of a voltage exceeding said thyristors maximum limit, and a control pulse generator supplying said control firing pulse to said thyristor control input;

said control pulse generator connecting to said thyristor and generating upon the occurrence of a control pulse a feedback signal to a detector if said thyristor has not been protectively fired which prevents receiving power in said firing circuit; and

said detector receiving each of the respective feedback signals and from said feedback signals transmits to the control unit, a first identification signal if all feedback signals are not received indicating a short circuit across said plurality of thyristors and the unavailability of power to operate the firing circuits, a second identification signal if at least one but fewer than all of the feedback signals are received indicating a protective firing of at least one of the thyristors, and a third identification signal if all of the feedback signals are received indicating that each thyristor fired in response to its respective control firing pulse.

Compl. specn. 10 pages.

Drg. 1 sheet

CLASS 107-H.

162828

Int. Cl. : F 02 m 59/00.

FUEL INJECTION PUMP WITH SPILL CONTROL MACHANISM.

Applicant : STANADYNE INC., OF 100 DEERFIELD ROAD, WINDSOR, CONNECTICUT 06096, UNITED STATES OF AMERICA.

Inventor : I. ITUA DJORDJEVIC.

Application No. 722/Cal/85 filed October 11, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims

A fuel injection pump for an internal combustion engine, having a housing, a rotor rotatable in the housing a charge pump having a plurality of radially extending plunger bores in the rotor and a plunger pump for each plunger bore having a pumping plunger reciprocable in the bore, the pumping plungers having outward fuel intake strokes and inward fuel delivery strokes for supplying high pressure charges of fuel for fuel injection, and a cam ring surrounding the rotor and engageable with the plunger pumps to reciprocate the plungers as the rotor rotates, and a spill control mechanism having spill valve means connected to the charge pump for spill control of said high pressure charges of fuel characterised in that the spill valve means comprises at least one rotary spill valve having a valve bore in the rotor connected to the charge pump and a rotary spill valve member rotatable within the valve bore to open and mechanism comprises first means for rotating each rotary spill valve member in unison with the rotor and in synchronism with the reciprocable movement of the pumping plungers for spill control of said high pressure charges of fuel.

Compl. specn. 28 pages

Drgs. 3 sheets

CLASS : 146-D₂, 3.

162829

Int. Cl. : G 02 b 3/00; G 02 c 1/00.

A GLASS AND PLASTIC COMPOSITE OPHTHALMIC LENS

Applicant & Inventor : RONALD S. ACE, OF 5200 J. PHILADELPHIA WAY, LANHAM, MARYLAND 20706, UNITED STATES OF AMERICA.

Application No. 735/Cal/85 filed October 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

1. A glass and plastic composite ophthalmic lens, comprising :

a glass layer having a glass front surface and a glass ocular surface, said ocular surface having a first radius of curvature;

a plastic layer adjacent and concentric with said glass layer and having a plastic front surface and a plastic ocular surface, said plastic front surface having a second radius of curvature, said first radius of curvature differing from said second radius of curvature to define between said glass ocular surface and said plastic front surface a tapered adhesive gap; and

an optically clear, highly cohesive and adhesive elastomeric bonding material within said tapered adhesive gap to bond said glass layer to said plastic layer.

Compl. specn. 53 pages.

Drgs. 2 sheets

CLASS : 95-F. H & K; 127-H₁.

162830

Int. Cl. : B 25 b 5/00, 7/00, 11/00.

CLAMPING DEVICE FOR RECTANGULAR WORK-PIECE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. RALPH WILLIAM KAIKBRENNER, 2. HANS ERMINO LEUMANN.

Application No. 743/Cal/85 filed October 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

1. A clamping device for holding a workpiece of rectangular configuration along its entire perimeter, comprising two opposed jaws with each jaw pivotally mounted and including a pair of jaw portions extending perpendicular to each other forming rectangular openings between oppositely-facing jaws so as to automatically orient to the rectangular shape of a workpiece, and support means separately supporting the jaws for movement to and from each other.

Compl. specn. 8 pages.

Drgs. 3 sheets

162831

Int. Cl. : A 23 F 3/08.

"A MACHINE FOR CARRYING OUT THE FERMENTATION OF TEA BY EXPOSURE TO ULTRA VIOLET RADIATION".

Applicant : CHITRANJILAL HARIPRASAD OF 239 MOWBRAYS ROAD, MADRAS-600 018. TAMIL NADU, INDIA, INDIAN NATIONAL.

Inventors : 1. BALAKRISHNA SIVARAM, 2. DR. SUNDARAM RAMASWAMY.

Application for Patent No. 307/Mas/84 filed on 28th, April 84.

Complete Specification left on 29th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Madras-600 002.

3 Claims

A machine for carrying out the fermentation of tea by exposure to ultra violet radiation comprising a chamber with an inlet for entry of tea dhools and an outlet for discharge of the dhools; one or more conveyors within the chamber for conveying the dhools from inlet end to the outlet end; a blower fan disposed within the chamber for exposing the tea dhools to current of air; and one or more sources of ultra violet light disposed within the chamber and over the conveyors whereby as the dhools are conveyed through the chamber from inlet end to the outlet end, they are exposed to ultra violet radiation.

(Provisional Specification 3 pages.

Compl. specn. 4 pages.

Drg. 1 sheet

162832

Int. Cl. : H 02 K 5/128.

AN ELECTRIC MOTOR SUBMERSIBLE IN A LIQUID.

Applicant & Inventor : GOVINDASWAMY VENKATACHALAPATHY, 4-A, TRICHY ROAD, SINGANAILUR POST, COIMBATORE-5, TAMIL NADU.

Application No. 759/Mas/84 filed October 9, 1984.

Complete Specification left January 1, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An electric motor submersible in a liquid, having a liquid-tight casing enclosing the same, the shaft of the motor freely protruding vertically out of the casing for being coupled to a driven member, characterised by an extension of the casing freely enclosing the protruding part of the shaft; an air entrapping inverted cup disposed above the casing and its extension with the base of the cup secured to the protruding part of the shaft in liquid-tight relationship, the mouth of the cup being spaced from the casing to enable the cup to rotate along with the shaft, the ingress of liquid into the cup through the space between the mouth and the casing being limited by the air entrapped within the cup, to a level below the said extension of the casing, thus preventing further ingress of liquid from the cup into the casing.

(Prov. 4 pages)

Compl. specn. 6 pages.

Drgs. 2 sheets

162833

Int. Cl. : B 65 C 9/00.

METHOD AND APPARATUS FOR MAKING LABEL WRAPPED CONTAINERS.

Applicant : OWENS—ILLINOIS PLASTIC PRODUCTS INC., A DELAWARE CORPORATION, U. S. A. OF ONE SEAGATE, TOLEDO, OHIO 43666 U. S. A.

Inventor(s) : HAROLD R. FOSNAUGHT.

Application No. 776/Mas/84 filed on October 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A method of making label wrapped containers with plastic label having a foam polymer layer, the process comprising the steps of :

- A. transporting toward a wrapping station a sheet of the plastic label stock whereby the transporting is continuous and the length axis of the stock is parallel to the horizontal;
- B. cutting the stock to form a plurality of labels of a desired length;
- C. moving the leading edge of the label to a vacuum drum;
- D. placing and guiding the label on the periphery of the drum with the top face next to the peripheral drum surface;
- E. applying a low boiling, quick evaporating solvent for the polymer of the foam layer to the underside of the foam layer in at least two finite areas adjacent the leading edge of the label and in a finite area in the form of a strip near the trailing edge of the label to form a viscous tacky solution of the polymer in the solvent in each of the finite areas;

F. allowing the tacky solution to solidify to form a solid adhesive.

G. rapidly rolling a container along the underside of the label to lightly but securely tack the solidifying areas of the leading edge to the body of the container to form a solid adhesive bond between the foam layer and the container;

H. continuously rolling the container along the underside of the label and overlapping the trailing and leading ends of the label to form a seam by solidifying the viscous tacky solution in the finite area of the trailing edge to bond the overlapped ends together.

Compl. Specn. 17 pages.

Drgs. 2 sheets

162834

Int. Cl.⁴ : B 65 C 9/00.

CONTAINER WITH PLASTIC LABEL AND METHOD OF MAKING THE CONTAINER.

Applicant : OWENS—ILLINOIS PLASTIC PRODUCTS INC., OF ONE SEAGATE, TOLEDO, OHIO 43666, U.S.A. A DELAWARE CORPORATION.

Inventor : GIANCARLO JOHN FUMEL.

Application No. 777/Mas/84 filed 16 October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

20 Claims

A container with a body portion and a plastic sleeve label wrapped around the body portion, the label comprising a solid polymer layer on the outside and a foam polymer layer on the inside next to the body, the foam polymer layer being lightly but securely tacked to the body portion by a tacky adhesive bond formed from a finite area of the foam polymer, the finite area having a liquid tacky solution of the polymer of the foam in a quick evaporating low boiling point solvent for the polymer, the solution solidifying to form a solid adhesive bond after the label is wrapped, the label having a seam formed by overlapping ends of the leading edge and the trailing edge of the label, the seam being bonded together by a liquid tacky solution of the polymer formed from the foam in a solvent therefore, the solvent being applied in a finite area along the trailing edge of the foam polymer layer to provide a liquid solution that solidifies to form the adhesive bond between the leading and trailing edges of the label at the label seam.

Compl. specn. 17 pages.

Drg. 2 sheets

CLASS : 150 F.

162835

Int. Cl.⁴ : C 09 K 3/10.

ANNULAR PACKING FOR THE JOINTS OF CAST-IRON PIPES.

Applicant : PONT-A-MOUSSON S.A., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF FRANCE, OF 91 AVENUE DE LA LIBERATION, 54700 NANCY, FRANCE.

Inventor : CLAUDE BU CHER, ANDRE LAGABE.

Application No. 779/Mas/84 filed 17 October, 1984.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

9 Claims

Annular packing for the joints of cast-iron pipes comprising a male end and a socket, the said packing consisting of an elastomer with single hardness cast in centrifugal chill-moulds, of the type comprising a sealing body operating by radial compression with a cylindrical or frustoconical outer

surface which diverges with respect to the inner frustoconical surface, and an annular heel for anchorage in the socket, the heel projecting radially outwards with respect to the sealing body of roughly trapezoidal meridian contour with a large base and a small base, the large base corresponding to the minimum inner diameter of the packing, wherein the anchoring heel, adjacent the small base of the trapezoidal contour of the body is extended radially towards the inner surface of the packing by an annular compression foot having a trapezoidal meridian contour projecting radially inwards with respect to the inner frustoconical surface, the said foot being connected to the inner frustoconical surface of the body by an annular groove.

Compl. specn. 24 pages.

Drgs. 3 sheets

162836

Int. Cl.⁴ : F 16 K 1/22.

IMPROVED BUTTERFLY VALVE.

Applicant : MASONILAN INTERNATIONAL INC., OF 10077 GROGANS MILL ROAD (SUITE 200), THE WOODLANDS, TEXAS 77 3801016, U.S.A. A U.S. COMPANY.

Inventor : ALIAN BERNARD AUGUSTE VERDELET.

Application No. 806/Mas/84 filed on October 29, 1984.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972), The Patent Office, Madras Branch.

4 Claims

In a butterfly valve comprising a body, a passage extending through said body and having an axis, a seat carried by the body and disposed in said passage, a closure member mounted in said passage for rotation about an axis orthogonal to the axis of said passage so as to be movable between a closing position in which a sealing element carried by a periphery of the closure member has a sealed contact with said seat and a fully open position substantially perpendicular to the closing position, a peripheral surface of the closure member and conjugate surface of the seat being conical surfaces defined by two cones of revolution, the axis of rotation of the closing member being offset along the axis of the passage away from the apex of the cone defining the surface of the seat relative to a mean plane of the closure member, the improvement wherein, for a given valve of the apex angle 2α of the cone defining the seal of the valve and for a given position C of the axis of rotation of the butterfly member in an orthonormal system Ox, y, z in which the axis Oz coincides with the axis of said cone, there is defined a joint plane of the butterfly member with its seat, of which a couple of points in respect of which a clearance angle which is maximum, has for trace a point Q located in the plane Ox, z of the system having coordinates and a clearance angle given by the following approximate relations

$$\begin{aligned} x_Q &= \sin \varphi \cos \varphi (1-c^2) \\ z_Q &= c (1-\sin^2 \varphi (1-c^2)) \\ \sin \delta_Q &= \frac{c}{\cos \varphi} \sqrt{\frac{1}{1+c^2} \frac{1}{\tan^2 \varphi}} \end{aligned}$$

in which C is the distance between the trace of the axis of rotation of the butterfly member and the centre O of the system and an inclination angle O of the butterfly member relative to the axis of the passage being given by the relation complement of the blocking angle

$$> - \geq \frac{\pi}{4}$$

Compl. specn. 21 pages.

Drgs. 4 sheets

162837

6 Claims

Int. Cl. : B 24 B 7/02.

A BELT GRINDER.

Applicant : S.E.C.O. ENGINEERING COMPANY LIMITED A BRITISH COMPANY, OF TUBS HILL HOUSE, LONDON ROAD, SEVENOAKS, KENT, TN13 1BI ENGLAND.

Inventor : CUTHBERT CHARLES APPLETON.

Application No. 846/Mas/84 filed on November 7, 1984

Convention dated 8th November, 1983 No. 8329744 (U.K.).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972), The Patent Office, Madras Branch.

7 Claims

A belt grinder comprising a slide assembly having defined therein an elongated channel; a first elongated arm slidably mounted in said elongated channel such that an end of the arm protrudes from the channel; a belt-driving pulley on the side of the slide assembly remote from the protruding end of the first arm; drive means for driving said belt-driving pulley; a collar fixedly mounted on the said protruding end of the first arm and defining therein a receiving channel colinear with the arm; a second elongated arm having an end portion received in the receiving channel of the collar such that the second arm is substantially colinear with the first arm; an idler pulley mounted on the end of the second arm remote from the first arm and having its axis of rotation extending transversely of the second arm; an endless abrasive-surface belt supported by the belt-driving pulley and the idler pulley and straddling the arms therebetween; end biasing means acting on the end of the first arm within the elongated channel and using the arm to protrude from the channel, thereby to maintain tension in the belt; blocking means for preventing the first arm from sliding into the elongated channel against the end biasing means; pivot means cooperating on the second arm and the collar to permit slight pivoting of the second arm relative to the first arm in a plane which includes the axis of rotation of the idler pulley, and is parallel to the arms, thereby to tilt said axis for maintaining accurate tracking of the belt; and lateral biasing means acting on respective opposing sides of the end portion of the second arm within the collar and tending to oppose said pivoting.

Compl. specn. 12 pages.

Drg. 1 sheet

CLASS : 6 B4.

162838

Int. Cl. : F 17 C 5/02.

AN APPARATUS FOR FILLING CONTAINERS WITH CARBONDIOXIDE AT A PRESELECTED DENSITY.

Applicant : METAL BOX PUBLIC LIMITED COMPANY, A BRITISH COMPANY OF QUEENS HOUSE, FORBURY ROAD, READING, BERKSHIRE RG1 3JH, UNITED KINGDOM.

Inventors : (1) HEW DALRYMPLE FANSHAW AND (2) JOHN KELSHAW CONWAY.

Application No. 875/Mas/84 dated November 15, 1984.

Convention dated 16th November, 1983, No. 8330532, United Kingdom, 29th November, 1983, No. 8331869, United Kingdom, and 18th July, 1984, No. 8418255 United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

An apparatus for filling with carbon-dioxide at a preselected density comprising a reservoir of carbon-dioxide, means for inducing a flow of carbon-dioxide from the reservoir valved coupling means for receiving a container to be filled with carbon-dioxide and providing communication between the container and means for inducing flow, and heating means for heating at least one of the reservoirs of carbon-dioxide from which carbon-dioxide is flowing to the container and the container when coupled to the coupling means, to such an extent that the temperature of the contents of the container when filled to the preselected density is above the lowest temperature at which carbon-dioxide is in the compressed liquid phase, and pressure and temperature sensing means for sensing the pressure and temperature of the carbon-dioxide within the container; said lowest temperature being that temperature above which all the carbon-dioxide in the container is in a single phase state whereby the pressure measurement is directly indicative of the density of the carbon-dioxide in the container.

Compl. specn. 15 pages.

Drgs. 5 sheets

162839

Int. Cl. : A 23 F 5/24.

"A PROCESS FOR PREPARING AROMATIZED INSTANT COFFEE".

Applicant : SOCIETE DES PRODUITS NESTLE S. A., OF P.O. BOX 353, 1800 VEVEY, SWITZERLAND. A COMPANY INCORPORATED IN SWITZERLAND.

Inventor : YOUSEF GHODSIZADEH.

Application for Patent No. 908/Mas/84 filed on 22nd November, 1984.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Madras-600 002.

6 Claims

A process for preparing aromatized instant coffee powder by transferring volatile aromatics from roast and ground coffee to the instant coffee characterised in that it comprised:

(a) heating the roast ground coffee having an average particle size of 0.1 to 2.5 mm and degree of roast 2 to 5G such as herein described to a temperature of 30°C to 95°C to release volatile aromatics therefrom; and

(b) allowing the released volatile aromatics to come into contact with the instant coffee optionally plated with an edible oil, the instant coffee being maintained at a temperature of 0° to 35°C, whereby volatile aromatics are transferred from the roast and ground coffee [and are adsorbed by the instant coffee, the roast and ground coffee] being out of contact with the instant coffee and the amounts of roast and ground coffee to instant coffee being in the ratio from 0.1 : to 2.0 : 1.0.

Compl. specn. 23 pages.

No Drg.

Int. Cl. : C 07 C 69/533.

162840

PROCESS FOR THE PRODUCTION OF ALKOXY METHYLENE COMPOUNDS

Applicant : DYNAMIT NOBEL AKTIENGESellschaft, OF POSTFACH 1261, 521 TROISDORF, WEST GERMANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) Dr. Fritz Englender
(2) Dr. Wilhelm Vogt

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims. No drawing

A process for the preparation of alkoxymethylene compounds of the general formula $RO-CH_2-C(=O)OR$

R'

wherein R¹ is alkyl and R¹ is selected from -COOR, -ON and -OR; from substituted or unsubstituted acetic acid alkyl esters the said process comprising reacting hydroxymethylene compound of the substituted or unsubstituted acetic acid alkyl ester or its alkali salt with excess alkanol in the presence of HCl and water binding agent at a temperature of 20° to 50°C; the said water binding agent being selected from 1 to 2 moles of an alkyl nitrile per mole of starting material, 0.5 to 2 moles of silicic acid tetraalkyl esters per mole of water formed, 0.5 to 2 moles of a mixture of silicon tetrachloride and an alkanol per mole of water formed and a mixture of any of them; and recovering the alkoxymethylene compounds in a known manner.

The alkoxymethylene compounds are valuable intermediate products for the production of heterocyclic compounds.

Compl. Specn. 13 pages.

CLASS : 146-C.

162841

Int. Cl. : B 41 1 23/00.

DOCUMENT HANDLING APPARATUS FOR A COPIER.

Applicant : XEROX CORPORATION OF XEROX SQUARE, ROCHESTER, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. THOMAS NEIL TAYLOR, 2. JOHN RAYMOND ELLIS, 3. LAWRENCE CRAIG HUBLER.

Application No. 944/Cal/83 filed July 29, 1983.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

1. In a document handling apparatus for a copier having a platen for supporting and copying a document at the imaging station of the copier, the improvement in a dual mode document handling apparatus for automatically copying on said platen documents comprising either computer form web original documents or individual original document sheets, comprising :

common feeding means for moving either of said documents onto and over said platen,

registration means for automatically positioning either of said documents for copying on said platen,

sensing means for sensing when a computer form web document has been fed into said document handling apparatus through said common input means, and

dual mode control means responsive to said sensing means for differently controlling said common feeding means and said registration means automatically depending on whether a computer form web or individual sheet document has been fed into said document handling apparatus through said common input means.

Compl. specn. 37 pages.

Drgs. 3 sheets

CLASS : 201-A.

162842

Int. Cl. : C 02 b 1/38.

SYSTEM OF IONIZED OXYGEN ALLOTROPE GAS WATER PURIFICATION AND APPARATUS THEREFOR.

Applicants & Inventors : DENNIS E. J. JOHNSON AND SCOTT J. JOHNSON BOTH OF 1025 GARFIELD AVENUE, AURORA, ILLINOIS 60506, U. S. A.

Application No. 1037/Cal/83 filed August 24, 1983.

Convention dated 24th August, 1982. (410003) Canada.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An oxidant gas generator for receiving an air flow from the ambient air, converting atmospheric oxygen contained in the ambient air flow to oxidant gas in the form of ionized gaseous oxygen allotropes, and discharging the air flow therefrom for application to liquids to be treated thereby, on a uniform and uninterrupted basis, said generator comprising :

a housing defining a fluid flow chamber formed by a non magnetic material and forming an air flow way for the ambient air flow having an inlet and an outlet therealong,

with said inlet being open to the ambient air,

said air flow way between said inlet and said outlet having a site for effecting said conversion of atmospheric oxygen of the ambient air flow,

said site including :

magnetic means of fixed intensity defining multiple north-south magnetic polar relations having variant orientations for forming multiple magnetic flux fields of which the magnetic lines of force therefrom are concentrated within and are interlaced across and along the air flow way at said site,

and an elongate mercury vapor photolysis lamp mounted to be disposed in said site within said flow way and said magnetic flux fields for generating ionizing ultraviolet light (i.e. which maximizes ionization of atmospheric oxygen as herein described) therealong and substantially 360 degree thereabout,

means for electrically energizing said lamp for enveloping said flux fields and said lines of force in the air flow discharge from said air flow way outlet.

Compl. specn. 47 pages.

Drgs. 4 sheets

CLASS : 73; 155-C & D.

162843

Int. Cl. : D 04 h 1/54, 1/58, 5/00, 5/06.

PROCESS FOR MAKING A NON-WOVEN FABRIC AND APPARATUS FOR USE IN SAID PROCESS.

Applicant : CHICOPEE, 317 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : 1. ALFRED THOMAS MAYS.

Application No. 1186/Cal/83 filed September 27, 1983.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

1. Process for making a non-woven fabric having high bulk, low density, and good strength comprising :

(a) superimposing a web comprising low shrink thermoplastic fibers on a first carrier belt;

(b) superimposing an open mesh belt on the web to form a two belt laminate; and

(c) causing the laminate to fanned in a curvilinear path adjacent a heating means to heat fuse the low melting point component of the conjugate fibers to fibers in the web; and

(d) cooling said web, whereby a strong, high bulk, low density web is formed having a patterned surface adjacent said open mesh belt.

Compl. specn. 10 pages

Drg. 2 sheets

CLASS : 39-K.

162844

Int. Cl. : C 01 L 11/00.

METHOD OF MAKING A PARTICULATE FLUX COMPOSITION FOR TREATING MOLTEN METALS.

Applicant : FOSECO INTERNATIONAL LIMITED, OF 285 LONG ACRE, NECHELLS, BIRMINGHAM, B7 5JR, ENGLAND.

Inventors : 1. PAUL ISIDORE FONTAINE, 2. EVAN THOMAS RICHARD, 3. JOHN KELVIN BATHAM.

Application No. 1268/Cal/83 filed October 12, 1983.

Convention dated 16th October, 1982 (82 29624) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A method of making a particulate flux composition which comprises prefused particles comprising 35—70% by weight of calcium oxide, at least 20% by weight of at least one component selected from alumina and iron oxide, and optionally at least one other component selected from the group consisting of calcium fluoride, magnesium fluoride, sodium fluoride, sodium oxide, zirconium oxide and titanium oxide; said particles optionally containing a colouring material; said method comprising the steps of melting together the calcium oxide and the other components, or precursors therefor, forming the resultant molten mixture into droplets and rapidly cooling the droplets so that the droplets are converted into solid particles having a substantially amorphous structure.

Compl. Specn. 18 pages.

Drgs. 3 sheets.

CLASS : 126-D.

162845

Int. Cl. : H 01 r 11/02.

A SYSTEM FOR DETERMINING THE PERFORMANCE PARAMETERS OF AN ENERGY CONVERTER.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. DONALD JOSEPH DZIUBAKOWSKI, 2. AZMI KAYA, 3. MARION ALVAH KEYES, IV.

Application No. 1331/Cal/83 filed October 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

1. A system for determining the performance parameters of an energy converter of the kind having one or more output stages comprising means such as herein described generating a first signal representative of the enthalpy of the fluid entering the energy converter, means such as herein described generating a second signal representative of the enthalpy of the fluid exiting from each of the one or more stages of the energy converter, and first means for determining one or more performance parameters of the energy

converter from said first and said second signals, said first means comprising one or more function blocks arranged in a logic configuration.

Compl. Specn. 14 pages.

Drgs. 4 sheets.

CLASS : 55-E.

162846

Int. Cl. : A 61 k 27/00.

A PROCESS FOR THE PREPARATION OF A VAGINAL CONTRACEPTIVE.

Applicant & Inventors : (1) ANDRAS KOVACS, OF BAJESY ZS. UT 19/a, 1065 BUDAPEST, HUNGARY; (2) RUDOLF SZEBENI, OF BEKE U 48, 2131 GOD, HUNGARY; (3) BELA KOXZEGI, OF CORVIN KORUT 52, 1192 BUDAPEST, HUNGARY.

Application No. 1462/Cal/83 filed November 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

1. A process for the preparation of a vaginal contraceptive, which process comprises admixing vitamin K₃ or its bisulphite adduct thereof with an acceptable carrier, such as cellulose, lactose, carboxymethyl cellulose, magnesium stearate or polyvinyl pyrrolidone, and optionally also with a disinfectant, antiseptic and/or pH regulator as herein described.

Compl. Specn. 15 pages.

Drg. Nil.

CLASS : 89.

162847

Int. Cl. : G 01 b 7/00.

METHOD AND APPARATUS FOR ELECTRICALLY DETERMINING PIPE INSIDE DIAMETER.

Applicant : SCHLUMBERGER LIMITED, AT 277 PARK AVENUE, NEW YORK, NEW YORK, 10017, U. S. A.

Inventors : 1. GERALD NELSON MINERBO, 2. GARYALAN HAZEN, 3. BRUCE MCCANN.

Application No. 1520/Cal/83 filed December 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

1. Apparatus for measuring the inside diameter of a metallic pipe comprising :

a support member;

transmitter means including a transmitter coil disposed on said support member for generating an a.c. transmitter current; and

receiver means including a receiver coil disposed on said support member a distance from said transmitter coil for producing a receiver voltage in response to said transmitter current when the transmitter and receiver coils are disposed within such a pipe; and characterized by :

means responsive to said receiver means and said transmitter means for generating an impedance signal proportional to the ratio of said receiver voltage to said transmitter current;

means for resolving said impedance signal into its quadrature component, $\text{Im}Z$, and its inphase component, $\text{Re}Z$;

means responsive to said $\text{Im}Z$ and $\text{Re}Z$ components for generating a corrected measurement output; and

means responsive to said corrected measurement output for generating a signal representative of the inside diameter of the pipe.

Compl. Specn. 18 pages.

Drgs. 4 sheets.

CLASS : 48-B.

162848

Int. Cl. : H 01 b 1/06.

A RIBRE OPTIC CABLE ASSEMBLY INSTALLED WITH HIGH VOLTAGE EQUIPMENT.

Applicant : RAYCHEM LIMITED, ROLLS HOUSE, 7, ROLLS BUILDINGS, PETER LANE, LONDON EC 4 1NL, ENGLAND.

Inventors : 1. ROBIN JAMES THOMAS CLABURN, 2. ALAN DUNCAN ATKINS, 3. JOHN SIDNEY THOMAS LOOMS.

Application No. 1521/Cal/83 filed December 13, 1983.

Convention dated 13th December, 1982 and 22nd April, 1983 (8235441 and 8311048) both are U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

35 Claims

1. A fibre optic cable assembly comprising high voltage equipment, a fibre optic cable that is located in a region such that it is exposed to the electric field of the equipment, and electrical stress control means that is located so as to receive the fibre optic cable from said region and to co-operate with the cable such that the effect of said electric field is substantially insufficient to cause damage to the fibre optic cable.

Compl. Specn. 28 pages.

Drgs. 9 sheets.

CLASS : 172-D₂, 4.

162849

Int. Cl. : D 01 h 9/00.

DEVICE FOR MOUNTING OF BOBBINS ON A TRANSPORT BAND OF A RING SPINNING OF RING TWISTING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG, OF WINTERTHUR, SWITZERLAND.

Inventor : 1. ARTHUR WURMLI.

Application No. 1597/Cal/83 filed December 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

1. Device for mounting of bobbins on a transport band of a ring spinning or ring twisting machine, in which the band is provided with pins serving for positioning of the bobbins and the feed of bobbins to the band takes place at a fixed loading position, characterized in that the device comprises a bar (25), which is pivotable (about a horizontal pivot axis (26) arranged at right angles to the length of the bar) from a horizontal starting position and is subjected to a resilient bias urging it back towards this starting position (30), in that for rejection of bobbins (12) incompletely mounted over a pin (20) and bar (25) is movable upwardly and downwardly at a monitoring position arranged after the loading position in the direction of movement of the transport band (19), and is movable during its downward movement with its end portion to the bobbin head of the bobbin (12) currently located at the monitoring position, to produce ejection of a bobbin (12) incompletely mounted over a pin (20) through the downwardly moving bar (25) with pivoting of the latter to an acute angle (α) to the bobbin (12).

Compl. Specn. 9 pages.

Drg. 2 sheets.

CLASS : 13-A & C; 74.

162850

Int. Cl. : B 65 d 1/00, 30/00, 33/00.

FLEXIBLE BULK PACK CONTAINERS MADE FROM JUTE FABRICS.

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, 17, TARATOLA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

Inventors : 1. P. K. CHATTERJEE, 2. S. K. CHAKRAVARTY, 3. S. NAG, 4. B. L. BANERJEE.

Application No. 1598/Cal 83 filed December 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

1. A flexible bulk pack container made from jute fabrics characterised in that :

it has six sides made of strong jute fabric,

its top and bottom sides are provided with funnel shaped inlet and outlet means for filling in and emptying out the material to be packed,

its top edges are provided with loops or dog ears for lifting and handling the container the said loops or dog ears being made of multiple layers of jute fabrics.

Compl. Specn. 8 pages.

Drg. 1 sheet.

Class : 32 F₃C & 55 E₄.

Int. Class : A 61 K-31/00.

A PROCESS FOR PRODUCING NOVEL 2-HYDROXY 4-OR 5-(SUBSTITUTED) PHENYL CYCLOALKANES-DERIVATIVES.

Applicant : PFIZER INC., A corporation organised under the laws of the State of Delaware, United States of America of 235 East 42nd Street, New York, State of New York, United States of America.

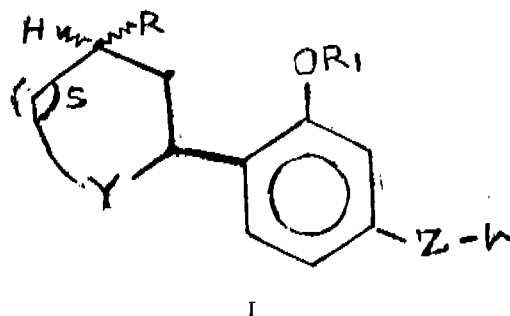
INVENTORS : MICHAEL ROSS JOHNSON & LAWRENCE SHERMAN MELAVIN.

Application for Patent No. 501/Del/1981 filed on 7th August 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

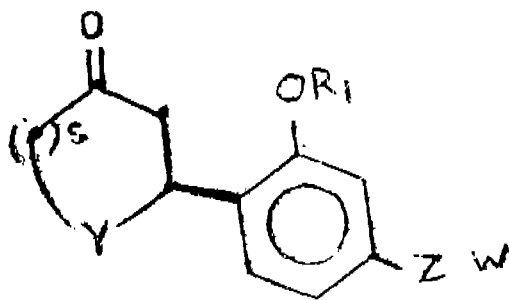
A process for producing derivatives of compound of formula I



and pharmaceutically acceptable acid addition salts thereof wherein R is hydrogen or hydroxy; R₁ is hydrogen, benzyl or alkanoyl having from one to five carbon atoms; S is an integer of 1 or 2; Y is -CH(R₃)CH₂- or -CH(R₂)CH(R₂)-; R₂ is hydroxy or X-substituted alkyl having from one to six carbon atoms; R₂' is hydrogen or methyl; R₃ is hydroxy, cyano or

X-substituted alkyl having from one to three carbon atoms; X is -O₂, -NR₆R₇, -COOR₇, -CONR₇R₈ or oxo; R₆ is hydrogen, alkyl having from one to six carbon atoms or acetyl; each of R₇ and R₈ is hydrogen or alkyl having from one to six carbon atoms; provided that when X is -NR₆R₇, -COOR₇, or -CONR₇R₈, it is located on the terminal carbon atom of R₂ or R₃; and when R₆ is acetyl, R₇ and R₈ is hydrogen or alkyl having from one to six carbon atoms; provided that when X is -NR₆R₇, -COOR₇ or -CONR₇R₈, it is located on the terminal carbon atom of R₂ or R₃; and when R₆ is acetyl, R₇ is hydrogen; W is hydrogen, pyridyl or radical of formula I of the drawings wherein W₁ is hydrogen, chloro or fluoro, provided that when W is hydrogen, Z is a) alkylene having from five to thirteen carbon atoms; or (b) -(alk₁)_m-O-(alk₂)_n- wherein each of (alk₁) and (alk₂) is alkylene having from one to eight carbon atoms; each of m and n is 0 or 1; with the proviso that the summation of carbon atoms in (alk₁) plus (alk₂) is not less than five or greater than thirteen; and at least one of m and n is 1; When W is other than hydrogen, Z is

a) alkylene having from three to eight carbon atoms; or
b) -(alk₁)_m-O-(alk₂)_n- wherein each of (alk₁) and (alk₂) is alkylene having from one to eight carbon atoms; each of m and n is 0 or 1; with the proviso that the summation of carbon atoms in (alk₁) plus (alk₂) is not less than three or greater than eight; and at least one of m and n is 1; characterized by reducing in a manner known per se a compound having the formula II



II

of the drawings wherein R₁, Y, s, Z and W are as defined above and if desired, hydrating by known method the compound of formula I wherein R₂ or R₃ is alkenyl to produce the hydrated derivative of compound of formula I and producing pharmaceutically acceptable acid addition salts by known method.

(COMPLETE SPECIFICATION 190 PAGES
DRAWINGS & SHEETS)

CLASS : 22.

162852

Int. Cl. : B29c 3/00.

"A COMPOSITION OF BOTTLE GRADE POLYETHYLENE TEREPHTHALATE RESINS REINFORCED WITH GLASS FIBRES AND CONTAINERS MADE THEREFROM".

Applicant : DIEGO DUSE, AN ITALIAN CITIZEN, OF VIA OSMANO, 1 24100 BERGAMO, ITALY.

Inventor : DIEGO DUSE.

Application for Patent No. 94/Del/85 filed on 6th February, 1985.

Convention date 1st May, 1984/8411095/(U. K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A reinforced composition of bottle grade polyethylene terephthalate (PET) resins with glass fibres comprising at least one bottle grade high molecular weight PET resin and a reinforcement therefor consisting of glass fibres characterized in that said glass fibres are present in the mixture in an amount of from 0.3% to 5% by weight of the total mixture of PET resins and glass fibres having a diameter of from 5 to 20 microns and a length such that the length to diameter (L/D) ratio ranges between 50 to 1000 microns.

Compl. Specn. 14 pages.

Class : 32F₁, 32F₂(b), 32F₃, & 55E₄.

Int. Class : A61k

"A PROCESS FOR PRODUCING NOVEL 2-HYDROXY-4-(SUBSTITUTED) PHENYL CYCLOALKANES, AND PHARMACEUTICALLY ACCEPTABLE ACID ADDITION SALTS THEREOF".

Applicant : PFIZER INC, a corporation organised under the laws of the State of Delaware, United States of America, of 235 East 42nd Street, New York, State of New York United States of America.

Inventors : MICHAEL ROSS JOHNSON & LAWRENCE SHERMAN MELVIN.

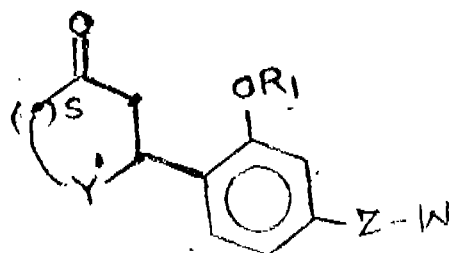
Application for patent no. 110/Del/85 filed on 12th February, 1985. Ante-dated to 7th August, 1981.

Divisional to patent application no. 501/Del/81 filed on 7th August, 81.

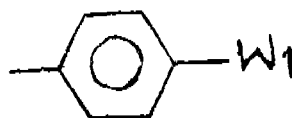
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

2 Claims

A process for preparing phenyl cycloalkanes of formula II



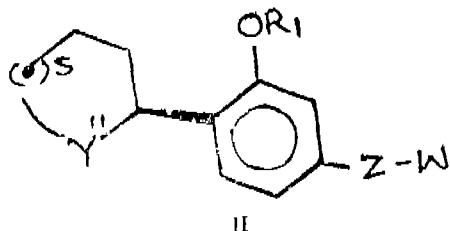
and pharmaceutically acceptable acid addition salts thereof wherein R₁ is hydrogen, benzyl or alkaneyl having from one to five carbon atoms; s is an integer of 1 or 2; Y' is -CH(R₂) CH(R₂O)- or -CH(R₃O) CH₂- wherein R₂ is hydrogen or methyl; and each of R₂O and R₃O is hydroxyalkyl; W is hydrogen, pyridyl or radical of formula



I

wherein W₁ is hydrogen, chloro or fluoro, provided that when W is hydrogen, Z is (a) alkylene having from five to thirteen carbon atoms; or (b) (alk₁)_m-O-(alk₂)_n- wherein each of (alk₁) and (alk₂) is alkylene having from one to thirteen carbon atoms; each of m and n is 0 or 1; with the proviso that the summation

of carbon atoms in (alk_1) plus (alk_2) is not less than five or greater than thirteen; and at least one of m and n is 1; when W is other than hydrogen, z is (a) alkylene having from three to eight carbon atoms; or (b) $(alk_1)_m-O-(alk_2)_n$ wherein each of (alk_1) and (alk_2) is alkylene having from one to eight carbon atoms; each of m and n is 0 or 1; with the proviso that the summation of carbon atoms in (alk_1) plus (alk_2) is not less than three or greater than eight; and at least one of m and n is 1, characterised by hydrating by a method known per se a compound having the formula IIb



wherein S , R_1 , Z and W are as defined above, and Y is $-CH(R_2)$, $CH(R_2O)$ or $-CH(R_3O)CH_2-$ wherein R_2 is as defined above and each of R_2O and R_3O is alkenyl and preparing the pharmaceutically accepted acid salts thereof by known method. (Complete specification 190 pages Drawings 5 sheets).

CLASS : 136 E.

162854

Int. Cl. : CO8j 1/34 & B01d 13/04.

Title : METHOD FOR THE PREPARATION OF THIN-FILM POLYMER BLEND MEMBRANES.

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U. S. A.

Inventors : ANTHONY JAMES POLAK, ALLYSON JEANNE BEUHIER & JOAN ACKERSON CRAMM.

Application for Patent No. 122/Del/85 filed on 14th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

16 Claims

A method for the preparation of a thin-film polymer-blend membrane which comprises dissolving (1) an inorganic compound such as herein described selected from the group consisting of heteropoly acids and salts thereof, phosphoric acids and sulfuric acid and (2) an organic polymer such as herein described which is compatible with said inorganic compound in a mutually miscible solvent at solution conditions such as herein described for a period of time sufficient to form a blend, casting said blend on a casting surface, removing said solvent and recovering the resultant thin film membrane.

Compl. Specn. 45 pages.

Class : 32 F₁ & 32 F₂(a, b, c.)

Int. Class : CO1c 125/00

Title : PROCESS FOR PREPARING CARBAMIC ACID DERIVATIVES.

Applicant : SOCIÉTÉ NATIONALE DES POUDRES ET EXPLOSIFS, a French company, of 12, quai Henri IV, -75181 Paris Cedex 04, France.

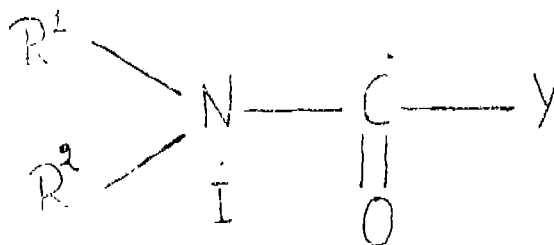
Inventors : GERARD BARCELO JEAN-PIERRE SENET & GERARD SENNYEY.

Application for Patent No. 125/Del/85 filed on 14th February, 1985.

Appropriate office for opposition proceedings (Rule Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

(CLAIMS 17)

Process for preparing carbamic acid derivatives of formula I



of the drawings in which R^1 and R^2 , which may be identical or different, denote :

—a hydrogen atom,

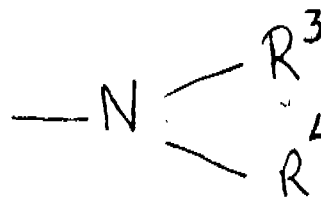
—a substituted or unsubstituted, saturated or unsaturated, linear or branched aliphatic or araliphatic radical,

—a substituted or unsubstituted, saturated or unsaturated cycloaliphatic radical,

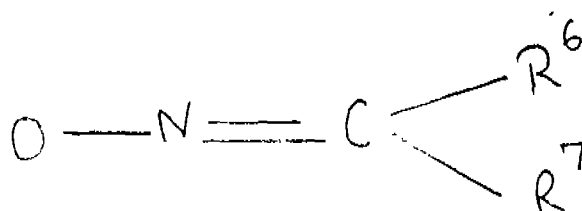
—a substituted or unsubstituted, saturated or unsaturated heterocyclic radical,

or together from which the nitrogen atom to which they are bound a saturated or unsaturated, substituted or unsubstituted ring which can contain one or more hetero atoms and which can form part of a ring system,

Y denotes OR , SR , formula II

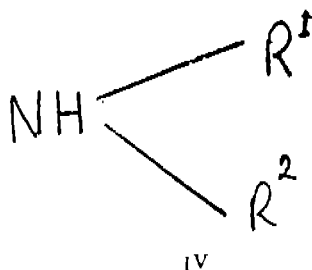


of the drawings of formula III



of the drawings, groups in which R denotes a substituted or unsubstituted, saturated or unsaturated, linear or branched aliphatic or araliphatic radical, a substituted or unsubstituted, saturated or unsaturated cycloaliphatic residue, or a substituted or unsubstituted aromatic residue, R^3 and R^4 , which may be identical or different, denote a hydrogen atom, a substituted or unsubstituted, saturated or unsaturated aliphatic, araliphatic,

cycloaliphatic or heterocyclic radical, or a substituted or unsubstituted aromatic radical, or together form with the nitrogen atom to which they are bound a saturated or unsaturated, substituted or unsubstituted heterocycle which can contain 1 or more other hereto atoms, and R⁶ and R⁷, which may be identical or different, denote a saturated or unsaturated, substituted or unsubstituted, linear or branched aliphatic or cycloaliphatic radical, or denote, but not at the same time, a hydrogen atom, an alkylthio radical or an alkoxy radical characterised in that a hydrogen-containing amino compound of formula IV



of the drawings is reacted in the presence of an acceptor of hydrohalic acid, at a temperature between -5° and 150°, with an α -halogenated derivative of carbonic acid of formula R⁵-CH-O-C-Y in which R¹, R² and Y have the above



significance, X denotes a fluorine, chlorine or bromine atom and R⁵ denotes a hydrogen atom, a substituted or unsubstituted, saturated or unsaturated, aliphatic, alicyclic or cycloaliphatic residue or a substituted or unsubstituted aromatic residue.

(Complete Specification 40 Pages)

Drawing Sheets 6).

CLASS : 32 F, (a) & 83 B.

162856

Int. Cl. : C07c 47/06 & A231 3/00.

A METHOD FOR PRODUCING A MOISTURE-STABLE FIXED VOLATILE FLAVORANT PRODUCT.

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, LOCATED AT 250 NORTH STREET, WHITE PLAINS, NEW YORK 10625, UNITED STATES OF AMERICA.

Inventors : JOHN GEORGE PICKUP & FOUAD ZAKI SALEEB.

Application for Patent No 200/Del/85 filed on 11th March, 1985

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

10 Claims

A method for producing a moisture-stable fixed volatile flavorant product which comprises steps of :

- (a) forming an aqueous solution containing on a solids basis from 65 to 90% mannitol and from 10% to 35% of a carbohydrate, said carbohydrate comprising at least 95% by weight saccharides equal to or greater than a disaccharide;
- (b) admixing volatile flavorant such as herein described with said mannitol-carbohydrate solution; and
- (c) spray-drying said solution.

Compl. Specn. 16 pages.

CLASS : 179E.

162857

Int. Cl. : B67b 5/00; B65d 41/40, 41/60 & 51/18.

TAMPER EVIDENT CLOSURE ASSEMBLY.

Applicant : AMERICAN FLANGE & MANUFACTURING CO. INC., OF 1100 WEST BLANCHE STREET, LINDEN, NEW JERSEY 07036, U. S. A.

Inventor : DWINELL DAVIS BLAIR.

Application for Patent No. 293/Del/85 filed on 8th April, 1985

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A temper-evident closure assembly comprising a metal tear-off overcap and a plastic reusable undercap, said overcap including a recessed center panel surrounded by a downwardly opening sealing channel said sealing channel having an inner wall extending upwardly substantially vertically from said centre pane, an annular top wall and a depending substantially vertical outer wall terminating in a lower free edge, a diametrically extending tear strip formed in said overcap commencing at said free edge in an outwardly projecting gripping ear, said tear strip being delineated by a pair of score lines commencing at either side of said ear and extending across said cap, said undercap having a complimentary configuration and being nested within said overcap and providing an annular spacing between the adjacent vertical walls of said overcap and undercap wherein said undercap can expand within said overcap to accommodate container opening dimensional variations.

Compl. Specn. 9 pages.

Drgs. 2 sheets.

CLASS : 136E.

162858

Int. Cl. : H 01B 13/30 & B 29 C 41/00.

METHOD OF ENCAPSULATING AND IMPREGNATING ARTICLES SUCH AS ELECTRICAL COMPONENTS.

Applicant : HUGHES AIRCRAFT COMPANY, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 7200 HUGHES TERRACE, P.O. BOX 45066 LOS ANGELES, CALIFORNIA 90045-0066 FORMERLY AT 200 NORTH SEPULVEDA BOULEVARD, EL SEGUNDO, CALIFORNIA 90245 UNITED STATES OF AMERICA.

Inventor : SUSAN LORAIN OLDHAM.

Application for Patent No. 329/Del/85 filed on 18th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

19 Claims

A method for encapsulating and impregnating an article such as herein described which comprises the steps of :

- (a) providing a rigid mold having a cavity therein and an opening in one surface of said mold and communicating with said cavity;
- (b) providing a chamber for containing said mold and for applying heat and varying pressures to said cavity of said cavity of said mold;
- (c) heating said chamber to a predetermined temperature and maintaining said temperature in said chamber;
- (d) loading the article in said cavity of said mold;
- (e) loading said mold containing said article into said heated chamber;

(f) filling the mold cavity with a low viscosity heat curable thermosetting resin which cures at said predetermined temperature prior to or subsequent to loading said mold containing said article into said heated chamber;

(g) evacuating the mold cavity to a subatmospheric pressure to impose a vacuum on the mold to thereby impregnate the article with the resin and degas the mold contents;

(h) releasing the vacuum to atmospheric pressure to burst any gas bubbles remaining in the mold contents;

(i) applying a superatmospheric pressure to the mold to cause the heat curable resin to encapsulate the article loaded in the mold, the temperature and the superatmospheric pressure being maintained for a time sufficient to partially cure the resin and form a unitary structure;

(j) ejecting the structure from the mold cavity; and

(k) subjecting the ejected structure to a further heating cycle to completely cure the resin.

Compl. specn. 37 pages.

CLASS : 32B & 40B.

162859

Int. Class : B01j 11/06.

"A HYDROCARBON CONVERSION PROCESS COMPRISING REACTING HYDROCARBON IN THE PRESENCE OF A NOVEL CRYSTALLINE ALUMINOSILICATES CATALYSTS".

Applicant : THE BRITISH PETROLEUM COMPANY P.L.C., A British Company, of Britannic House, Moor Lane, London EC2Y 9BU, England.

Inventors : SAMI ALI IBRAHIM BARRI, PHILIP HOWARD & CLIVE DAVID TELFORD.

Application for patent no. 423/Del/85 filed on 24th May, 1985.

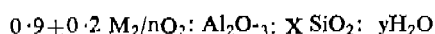
Convention date 8th January, 1981/8100532/(U.K.).

Divisional to patent application No. 810/Del/81 filed on 28th December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(6 Claims)

A hydrocarbon conversion process comprises reacting hydrocarbon in the presence of a novel crystalline aluminosilicates catalysts having the following composition in terms of the mole ratios of the oxides :



wherein M is at least one cation having a valence n, X is at least 10 and y/x is between 0 and 25 said aluminosilicates in the calcined hydrogen-form having an X-ray diffraction pattern substantially as set forth in Table A of the specification.

(Complete specification 15 pages).

CLASS : 179 E.

162860

Int. Cl.4 : B 65 D 41/28 & 51/20.

Title : A LEAKPROOF DUST CAP AND PILFERPROOF SEAL ASSEMBLY FOR L P GAS, PIN TYPE, CYLINDER VALVE.

Applicant : BAL KRISHAN GUPTA (AN INDIAN NATIONAL), L-3, HAUZ KHAS ENCLAVE, NEW DELHI-110 016, INDIA.

3-157 GI/88

Application for Patent No. 439/Del/85 filed on 31st May, 1985.

Complete Specification left on July 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A leakproof dust cap and pilferproof seal assembly for L P gas pin type cylinder valve comprising of a leakproof dust cap (1) and a pilferproof seal (12), dust cap having a taper lug (2) in the center of the cap (1), a groove (4) on the outer surface of the cap to fit a spring (3) into the groove (4), said spring ends facing upwards, a depression (8) on the upper side of the cap for fitting the bent portion of the spring (7) into the depression (8) from points (9) to (10), a cut in the groove from points (5) to (6) to enable the two wires of the spring (3) to move in and out of the cap from the cut in the groove from points (5) to (6) and points (9) to (10) in the depression (8) to enable the bent spring (7) to move from point (9) to (10), a nylon/suitable plastic cord (11) tied to the spring (3) in the center, a pilferproof seal (12) of round shape which encloses by its inner side (13) the spring portion of the outer side of the round shape dust cap (1) and can be crimped by a suitable crimper.

Compl. specn. 9 pages.

Drg. 1 sheet

Provisional specification 6 pages.

CLASS : 50-E2; 6-A2.3.

162861

Int. Cl. : F 25 b 31/00.

A MOTOR COMPRESSOR.

Applicant : COPELAND CORPORATION, CAMPBELL ROAD, SYDNEY OHTO, 45365, UNITED STATES OF AMERICA.

Inventors : 1. DEIMAR RAY RIFFE, 2. JOHN PAUL ELSON, 3. DILIP SUDHAKER SATHE.

Application No. 31/Cal/84 filed January 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims

1. A motor compressor comprising :

an outer shell having a lubricant sump containing lubricant in the bottom thereof;

motor means within said shell;

a compressor within said shell, said compressor including a housing defining a chamber separated from said sump, a compression member within said chamber and movably associated with respect to said housing, a drive shaft in said housing, said drive shaft being driven by said motor means and drivingly connected to said compression member via bearing means, said drive shaft having a lower end thereof immersed in said lubricant;

axially extending oil passage means in said drive shaft for conducting lubricant from said sump to said bearing means; and

valved vent passage means in said drive shaft opening into said oil passage means adjacent the end thereof remote from said and intermittently communicating with said chamber.

Compl. specn. 26 pages.

Drg. 8 sheets

CLASS : 155-D & E.

162862

Int. Cl. : D 04 h 1/00, 1/40.

PROCESS AND APPARATUS FOR THE FORMATION OF A FELT OF FIBERS.

Applicant : ISOVER SAINT-GOBAIN, OF "LES MIROIRS"—LA DEFENSE 3, 18 AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

Inventor : I. FRANCIS MOSNIER.

Application No. 102/Cal/84 filed February 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

1. Process for the formation of a felt of fibers, in which the fibers are formed from a material in an attenuable state, this material being conducted to the peripheral surface of one or more than one wheel subjected to a movement of rotation, from which the fibers become detached to be projected into a gas current directed transversely to the direction of projection of the fibers along the peripheral wall of the wheel or wheels, the fibers thus formed, entrained by the gas current, being conducted into a receiving chamber in which a perforated conveyor constitutes the base thereof, the gas current carrying the fibers passing through the conveyor and the fibers being deposited on the conveyor to form the felt, which process is characterised in that one or more additional gas jets are produced on each side of the gas current carrying the fibers, substantially in the same direction as the said current, these additional jets being emitted along the side walls bordering the perforated conveyor.

Compl. specn. 28 pages.

Drgs. 5 sheets

CLASS : 72-C.

162863

Int. Cl. : C 06 b 1/00, 1/04.

IMPROVED WATER-IN-OIL EMULSION EXPLOSIVE COMPOSITIONS AND METHOD FOR THE MANUFACTURE THEREOF.

Applicant : IEL LIMITED FORMERLY KNOWN AS INDIAN EXPLOSIVES LIMITED, OF ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors : 1. VATTIPALLI MOHAN RAO, 2. GAUTAM SEN, 3. SRINIVASACHARY SESHAN, 4. DHIRENDRA NATH BHATTACHARYA, 5. MADAN MOHAN MAHANDRU, 6. PRAMOD NARYAN DESHPANDE.

Applicant No. 142/Cal/84 filed February 25, 1984.

Complete Specification left on 22nd May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

1. A water-in-oil emulsion explosive composition comprising on a percentage by weight basis :

40% to 80% of one or more oxidiser salts such as herein described,

2% to 30% of a sensitising liquor such as herein described,

2% to 10% of one or more hydrocarbon fuels such as herein described,

0.5% to 2% of one or more emulsifiers such as herein described,

0.2% to 1% of one or more stabilisers such as herein described, and water.

Provisional Specn. 10 pages.

Drg. 1 sheet

Compl. specn. 19 pages.

Drg. Nil

CLASS : 5-B & D.

162864

Int. Cl. : A 01 g 9/00+9/10.

A PROCESS FOR MAKING SET OF CELLS OR POTS FOR THE GROWING OF PLANTS.

Applicant : OY POTMA LTD., 27820 ISO-VIMMA, SAKYLA, FINLAND.

Inventors : 1. MATTI KATILA, 2. JUKKA ERKKILA.

Application No. 145/Cal/84 filed February 29, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for making a set of pots or cells (1) made of plastic material for the growing plants comprising several lines of pots or cells parallel to each other, each of which lines pots or cells adjoining each other has a common wall construction (3) partly decomposing during the growth of plants the said wall construction consisting of three material layers laminated together with an adhesive material as hereinafter described, characterized in that the middle portion (5) of the laminated wall construction (3) consists of a plastic material, such as, polyethylene or polypropylene, and that on both sides of the middle portion (5) of the wall construction (3) there is a thin paper layer (6) decomposing in the ground during the growth of the plants, the wall constructions (3) are always connected together by means of a standard adhesive joints strips (4) that are non decomposing and insoluble in water, so that the adhesive used for glueing is, at the glue area, impregnated through the paper layer (6) without, however, adhering to the middle portion (5) of plastic in the wall constructions (3), whereat, after decomposition of the paper layers (6), the adhesive strips (4) remain as plugs between the plastic layers, i.e. middle portions (5).

Compl. specn. 5 pages.

Drg. 2 sheets

CLASS : 32-F₂ a & ab.

162865

Int. Cl. : C 07 c 51/00, 51/265; C 07 d 213/55, 217/00; A 01 n 37/10, 43/40, 43/42.

A METHOD FOR OXIDIZING COMPOUNDS CONTAINING METHYL GROUP LINKED TO AROMATIC NUCLEUS TO CARBOXYLIC ACIDS.

Applicant : AMERICAN CYANAMID COMPANY, OF THE TOWNSHIP OF WAYNE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : 1. WILLIAM ALAN DANIFLS.

Application No. 211/Cal/84 filed March 30, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

1. A method for oxidizing compounds containing methyl group linked to aromatic nucleus to carboxylic acids, said method comprising :

oxidizing by method such as herein described a compound of formula II of the accompanying drawings

wherein R is either aryl or a heterocyclic group with a compound of formula (I) wherein X is copper, cobalt or silver, Y is oxygen; m is an integer of 1 or 2; n is an integer of 2 to 6, and $n \geq m$ said reaction is carried out at temperature of from 25°C to 95°C under basic conditions such as herein described.

Compl. specn. 15 pages.

Drgs. 2 sheets

CLASS : 131-B.

162866

Inventor : 1. MISHAEL K. WEIBEL.

Int. Cl. E 21 b 3/00, 9/00, E 21 c 1/00.

Application No. 483/Cal/84 filed July 6, 1984.

PROCESS FOR CUTTING ROCK AS WELL AS APPARATUS FOR PERFORMING THIS PROCESS.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

Applicant : VOEST-ALPINE AKTIENGESellschaft, OF A-1011 VIENNA, FRIEDRICH-STRASSE 4, AUSTRIA.

16 Claims

Inventors : 1. HERWIG WRULUCH, 2. OTTO SCHEITNA, 3. GOTTFRIED SIEBENHOFFER, 4. WILFRIED MAIER.

1. A method of drilling a well for the production of oil and gas comprises drilling the well in the presence of circulating and/or non-circulating well fluid such as herein before described characterised in that the said fluid comprises parenchymal cell cellulose and optionally other additives selected from a polymer soluble in said fluid, hemicellulose, clay, weighting agent, fibrous cellulose and mixtures thereof.

Application No. 213/Cal/84 filed March 30, 1984.

Compl. specn. 79 pages.

Drg. Nil

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

1. A cutting assembly for a rock cutting machine comprising, a bit shaft inserted into and supported by a bit holder capable of limited axial movement, a valve means positioned coaxially with the bit shaft whereby an axial cutting pressure on the bit shaft tends to open the valve means to intermittently supply fluid pressure to the valve thereby exerting an axial force on the bit shaft to urge the bit shaft against the cutting pressure.

CLASS : 68-C.

162869

Compl. Specn. 17 pages.

Drgs. 3 sheets.

Int. Cl. : B 60 1 15/00.

AN IMPROVED CONTROL DEVICE FOR BATTERY-OPERATED LOW-SPEED TRUCKS.

Applicant : M/s. MACNEILL & MAGOR LTD., 34/1 DIAMOND HARBOUR ROAD, CALCUTTA-27, INDIA.

Inventors : 1. PROTAP KUMAR GHOSE, 2. TARUN KUMAR GHOSH, 3. RABINDRA NATH BHAR, 4. PINAKI PRASAD GHOSH.

Application No. 556/Cal/84 filed August 7, 1985.

Complete Specn. left. on 7th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

3 Claims

1. An improved control device for battery-operated low-speed trucks comprising electrically inter-locked micro switches to replace finger contacts for solenoid switches, specially designed heavy-duty, double-break mechanically interlocked solenoid switches to operate the traction motor abruptly, series combination of resistance and diode, and condenser for spark suppression at the contact points of said solenoid switches and delaying the opening of said switches when the acceleration knob is released to ensure that the direction solenoid switches opens only after the traction resistance is introduced in the battery circuit elongated and inclinedly held springs for feather-touch operation of said switches and control handle having a restricted range of movement for preventing damage of the electrical components by excessive movements of the handle.

Provisional Specn. 10 pages.

Drgs. 8 sheets

Compl. specn. 15 pages.

Drgs. 6 sheets

CLASS : 34-A+90-F.

162870

Int. Cl. : C 03 b 37/00.

METHOD AND APPARATUS FOR FORMING GLASS FIBERS.

Applicant : OWENS-CORNING FIBERGLAS CORPORATION, FIBERGLAS TOWER, TOLEDO, OHIO, U.S.A.

Inventors : 1. NEIL EDWARD GREENE, 2. TERRY JOE HANNA.

Application No. 634/Cal/84 filed September 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

CLASS : 56-D+G.

162867

Int. Cl. B 01 d 7/00.

DESUBLIMATOR.

Applicant : GEA LUFTKUEHLERGESELLSCHAFT HAPPEL GMBH & CO., OF 4630 BOCHUM, FEDERAL REPUBLIC OF GERMANY.

Inventor : J. WERNER RUDOWSKI.

Application No. 529/Cal/84 filed May 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

19 Claims

1. An intermittent desublimator for obtaining a reaction product from a mixture of gas and vapor, having inserts around which the gas and vapor mixture flows in a closed housing, with deposit surface for reaction product which are situated underneath a space free of inserted components and serving for the distribution of the gas and vapor mixture and above a similarly free space for the collection of the reaction product and which are cooled and heated alternately by coolants and heating agents respectively, the side walls of the housing being provided with channels for the supply of the coolants or heating agents to the said surfaces, characterized in that laminations/lamellar inserts being affixed to the internal faces of the side walls of the housing such that the deposit surfaces form an integral part of said lamellar inserts.

Compl. specn. 19 pages.

Drgs. 3 sheets

CLASS : 131-A.

162868

Int. Cl. : C 9 k 3/00; E 21 b 1/00.

METHOD OF DRILLING A WELL FOR THE PRODUCTION OF OIL AND GAS.

Applicant : SBP, INC., OF 1529 WALNUT STREET, PHILADELPHIA PA 19102, UNITED STATES OF AMERICA.

9 Claims

1. A method of making glass fibers from molten glass which comprises the steps of drawing and attenuating glass fibers from a body of molten glass through orifice wherein

- (i) said body of molten glass is held in a fiber forming bushing having a plurality of depending tubular tips each communicating with the said body of molten glass,
- (ii) regulating the pressure of the said body of molten glass within the said bushing in the region of said tips by providing pressure reducing means within the body of the molten glass above the orifice plate and co-relating the tip diameter with the pressure in the bushing so as to ensure a reduction in the pressure in the body of molten glass such that the pool of molten glass immediately above the tips and communicating freely with the each tip is at a pressure less than the atmospheric pressure,
- (iii) maintaining the said conditions mentioned above to ensure that in each tip the body of molten glass is at a pressure not greater than the atmospheric pressure thereby creating condition discouraging formation of bead at the end of the tip in the instance of interruption,
- (iv) drawing and attenuating fibers from glass body from the tips without any interference of any bead from any other tip.

Compl. specn. 27 pages.

Drgs. 4 sheets

CLASS : 107 C.

162871

Int.Cl. : F 02 m 21/02, 27/02, 31/00 and F 23n 1/02.

"A FUEL SUPPLYING APPARATUS."

Applicant : IQBAL KRISHNA BHARATI, AN INDIAN NATIONAL OF N 552, SECTOR 9, R. K. PURAM, NEW DELHI, INDIA.

Inventor : IQBAL KRISHNA BHARATI.

Application for Patent No. 827/Del/82 filed on 10th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A fuel supply apparatus for use with an internal combustion engine comprising a housing having a chamber disposed therein, said chamber having a first inlet for the supply of liquidous fuel, a catalyst disposed within said chamber, at least one first outlet provided with said chamber for the discharge of gaseous fuel to the inlet manifold of the engine, at least one second inlet provided in the housing and adapted to be connected to the exhaust manifold of the engine so that the exhaust stream heats the catalyst within said chamber and causes a conversion of the fuel flowing therein into a higher octane fuel and into a gaseous state, and a second outlet provided in said housing for the discharge of said exhaust stream.

Compl. specn. 10 pages.

Drg. 1 sheet

CLASS : 107 G.

162872

Int. Cl. : F 23 n 1/02 and F 02 m 21/02, 27/02, 25/02, 31/00.

"A FUEL SUPPLYING APPARATUS."

Applicant : IQBAL KRISHNA BHARTI, AN INDIAN NATIONAL OF N-552, SECTOR 9, R. K. PURAM, NEW DELHI, INDIA.

Inventor : IQBAL KRISHNA BHARTI.

Application for Patent No. 828/Del/82 filed on 10th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A fuel supply apparatus for use with an internal combustion engine as claimed in claim 1 of application for Patent No. 827/Del/82 characterised in that an additional chamber is provided in the said housing, said additional chamber having a third inlet adapted to be connected to a supply of water and a third outlet for the discharge of a mixture of steam and hydrogen, said third outlet being adapted to be connected to the inlet manifold of the engine.

Compl. specn. 13 pages.

Drg. 1 sheet

CLASS : 57 D [LXIV(3)] & 76 I [LXIV(4)].

162873

Int. Cl. : E 05 c-1/04 & F 16 b-17/00.

"A SLIDING BOLT FOR USE WITH DOORS."

Applicant(s) : INDIAN INSTITUTE OF TECHNOLOGY, DELHI AND LALIT KUMAR DAS, AN INDIAN NATIONAL, BOTH OF HAUZ KHAS, NEW DELHI-110 016, INDIA.

Inventor(s) : LALIT KUMAR DAS.

Application for Patent No. 266/Del/1983 filed on 22nd April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A sliding bolt for doors comprising a base plate and a slidable member each having a first and second flange, said second flanges being outwardly extending flanges, the first flange of said slidable member being a U shaped member, the second flange of said base plate being disposed within the U shaped flange of said slidable member so that the slidable member is held in a slidable relationship to said base plate.

Compl. specn. 8 pages.

Drg. 1 sheet

CLASS : 57 D [LXIV(3)] & 76 I [LXIV(4)].

162874

Int. Cl. : E 05 c-1/04 & F 16 b-17/00.

"TOWER BOLTS".

Applicant(s) : INDIAN INSTITUTE OF TECHNOLOGY, DELHI AND LALIT KUMAR DAS, AN INDIAN NATIONAL, BOTH OF HAUZ KHAS, NEW DELHI-110 016, INDIA.

Inventor(s) : LALIT KUMAR DAS.

Application for Patent No. 268/Del/1983 filed on 22nd April 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A tower bolt for use with a closure member such as window or door comprising a base plate and a slidable member slidably secured to said base plate characterized in that said base plate has a rail on each of the longitudinal sides of said base plate said slidable member having engageable means cooperating with said rails and such that the slidable member has only a slidable movement from a locked to an unlocked position and vice versa, cooperative locking means provided in said base plate and said slidable member to lock the slidable displacement of said slidable member.

Compl. specn. 9 pages.

Drg. 1 sheet

CLASS : 103.

162875

Int. Cl. : C 23 f 11/00.

PROCESS FOR THE PREPARATION OF METAL CORROSION INHIBITION FOR USE IN AQUEOUS SYSTEMS.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BLVD., WICKLIFFE, OHIO 44092, U.S.A., A CORPORATION OF THE STATE OF OHIO, U.S.A.

Inventor : RICHARD WILLIAM JAHNKE.

Application for Patent No. 285/Del/84 filed on 31st March, 1984.

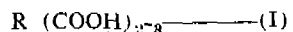
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A process for the preparation of metal corrosion inhibitor for use in aqueous systems comprising obtaining a water soluble mixture of an amine carboxylate salt and amine boron salt by neutralizing a carboxylic acid and a boron compound selected from one or more of boric acid, boron trioxide, boron halides and esters of boric acid with at least one monoamine of the formula



wherein each R^1 is independently hydrogen, a $C_1 = 20$ hydrocarbyl or a $C_2 = 20$ hydroxyl, hydrocarbyl group, characterised in that said carboxylic acid is a polycarboxylic acid of the formula,



wherein R is an alkylene, alkenylene or hydroxy alkylene group of 4 to 25 carbon atoms, said reaction mixture comprising on a weight basis, 15–30% of the polycarboxylic acid, 40–55% of the monoamine and 5–20% of the boron compound.

Compl. specn. 15 pages.

CLASS 32 B.

162876

Int. Cl. : C 07 c 7/00.

“AN IMPROVED PROCESS FOR THE SELECTIVE SEPARATION OF LINEAR TERMINAL OLEFINIC HYDROCARBONS AND N-PARAFFINS FROM PETROLEUM FRACTIONS”.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1960).

Inventors : KSHITINDRA KUMAR BHATTACHARAYYA, GIRENDRA NARAIN KULSHRESTHA, MAHENDRA PRATAP SAXENA & GIRISH CHNDRA JOSHI.

Application for Patent No. 493/Del/84 filed on 16th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the selective separation of a mixture of linear terminal olefinic hydrocarbons and n-paraffins from petroleum crude distillate fractions by forming adducts thereof with urea and separation of the desired olefins/n-paraffins from solid adduct formed characterised in that a feedstock of cracked distillate fraction from coking plants containing a range of n-paraffins, naphthenes, terminal straight chain olefins, internal olefins, cyclo olefins, diens,

aromatics is treated with 4–8 parts of urea per part of the adductable hydrocarbons in the presence of 30–250 v/w of activators therefor (based on urea) such as herein described and non-polar organic solvents, separating the solid formed by known methods decomposing the same by methods known per se to obtain the desired olefins and n-paraffins hydrocarbons.

Compl specn. 26 pages.

CLASS : 56 B.

162877

Int. Cl. : C10g 11/02

“AN IMPROVED PROCESS FOR CONVERTING A CRUDE OIL, AT LEAST IN PART, INTO LIQUID FUELS”.

Applicant : ASHLAND OIL, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF KENTUCKY, UNITED STATES OF AMERICA, OF 1401 WINCHESTER AVENUE, ASHLAND, KENTUCKY 41101, UNITED STATES OF AMERICA.

Inventors : RONALD ANDREW KMECAK, WILLIAM PETER HETTINGER, JR., STEPHEN MICHAEL KOVACH AND LARRY MARCUS FRALEY.

Application for Patent No. 827/Del/84 filed on 25th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

16 Claims

An improved process for converting a crude oil at least in part into liquid fuels in a cracking zone with a cracking catalyst providing a hydrocarbon residence time less than three seconds, whereby products of catalytic cracking are formed at a temperature in the range of 482 to 593°C (900 to 1100°F), carbonaceous deposits are deposited on said cracking catalyst, the cracking catalyst is separated from vaporous hydrocarbon products upon discharge from the cracking zone for separate recovery thereof, the separated catalyst is regenerated at a temperature not to exceed about 760°C (1,400°F) by combustion of carbonaceous deposits with oxygen containing gas, and the hot regenerated catalyst is returned to the cracking zone for contact with more feed, wherein said improved process is characterised to include (a) transporting the hot regenerated catalyst such as herein described in a portion of the cracking zone with a gas comprising less than 40 vol. percent of hydrogen and less than 10 vol. percent of hydrocarbons having more than three carbon atoms per molecule, and thereby (b) contacting a catalyst such as herein described with said gas prior to contacting the feed for a time sufficient to reduce the oxidation states of significant fraction of metal oxides formed in part as a result regeneration to lower oxidation states and (c) contacting the feed with the suspension in a downstream portion of the cracking zone.

Compl. Specn. 54 pages.

Drgs. 6 sheets.

CLASS : 32B.

162878

Int. Cl. : C07c 7/00.

“A PROCESS FOR REDUCING THE MERCAPTAN CONCENTRATION OF HYDROCARBON STREAMS”.

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, UNITED STATES OF AMERICA.

Inventor : THOMAS ACE VERACHTERT.

Application for Patent No. 851/Del/84 filed on 6th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for reducing the mercaptan concentration of hydrocarbon streams which comprises :

- (a) contacting a liquid phase mercaptan-containing hydrocarbon stream, a liquid phase first aqueous stream containing an alkaline reagent and an oxygen supply stream in the presence of a soluble oxidation catalyst and under oxidation-promoting conditions with a fixed bed of inert solid particulate material provided within and extending from an upper portion of a vertically disposed reaction zone to at least the lowermost quarter of said zone whereby during the downward passage of said liquids through said particulate material, the mercaptans present therein are oxidised to disulfide compounds soluble within the hydrocarbon phase;

said process being characterised by :

- (b) withdrawing said liquids through a porous wall into an annular separation zone located at the lower end of said reaction zone, said separation zone surrounding the solid particulate material at said lower end of said reaction zone, said withdrawn liquids dividing in said separation zone into an upper hydrocarbon phase containing said soluble disulfide compounds and a lower aqueous phase containing said alkaline reagent;
- (c) withdrawing from said upper hydrocarbon phase a hydrocarbon stream of reduced mercaptan concentration and from said lower aqueous phase a second aqueous stream; and
- (d) recycling at least a portion of said second aqueous stream for employment as said first aqueous stream of step (a).

Compl. Specn. 17 pages.

Drg. 1 sheet.

CLASS : 32F_n (a).

162879

Int. Cl. : C07c 45/00, 47/00.

"PROCESS FOR THE PREPARATION OF GLYOXALS AND ALKYLGLYOXALS".

Applicant : CHEMIE LINZ AKTIENGESSELLSCHAFT, AN AUSTRIAN BODY CORPORATE OF ST. PETER-STRASSE 25, 4020 LINZ, AUSTRIA.

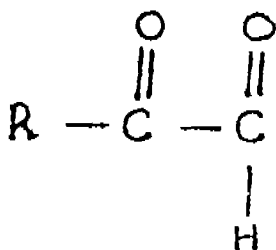
Inventors : ALEXANDER SAJTOS, MANFRED WECHSBERG & ERICH ROITHNER.

Application for Patent No. 925/Del/84 filed on 10th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

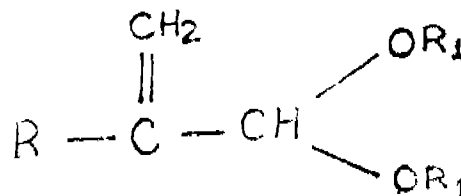
A process for the preparation of glyoxal and alkylglyoxals of the general formula I



(I)

wherein R represents hydrogen or a linear or branched C₁ to C₆ alkyl radical, characterized in that

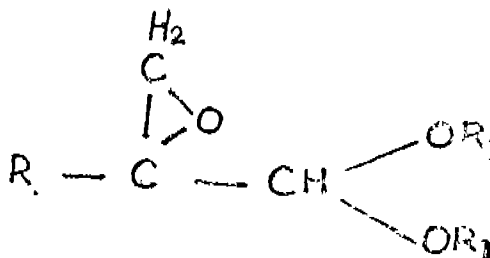
- (a) a dialkylacetal of acrolein or of an alpha-alkyl-acrolein of the general formula II



(II)

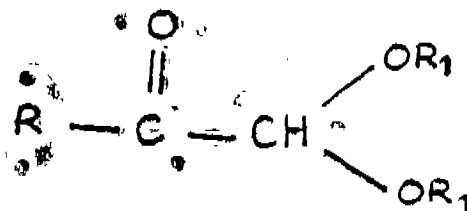
in which R has the meaning indicated in formula I, and R₁ represents a linear or branched C₁ to C₆ alkyl radical is dissolved in an organic solvent of the kind such as herein described and reacted with the equivalent amount of ozone at temperatures from -80 to 0°C,

- (b) the solution obtained in the ozonization is then hydrogenated by being fed continuously into a suspension of a hydrogenation catalyst of the kind such as herein described in the solvent used in stage(a) at such a rate of metered addition that a peroxide content of not more than 0.1 mole/liter is set up and/or maintained in the hydrogenation solution during the entire course of the hydrogenation to result in the formation of ozonization products of formula III



(III)

in which R and R₁ have the meaning indicated in formula I and II, which are then cleaved reductively by hydrogenation at a pH value of 2 to 7 and at temperatures from 15 to 45°C by passing in hydrogen under a pressure of 1 to 20 bar to produce acetals of the formula IA



(IA)

wherein R and R₁ have the meaning indicated in formula I and II, after which (C) the resulting acetals are cleaved hydrolytically by heating with water in the presence of acids of the kind such as herein described to give the glyoxal of the formula I.

Compl. Specn. 17 pages.

Drg. 1 sheet.

CLASS : 32E.

162880

Int. Cl. : C08g 41/00.

"A PROCESS FOR PRODUCING A CHEMICALLY HARDENABLE SUBSTANCE BASED ON POLYURETHANES".

Applicant : GURIT-ESSEX AG, OF CH-8807 FREIENBACH, SWITZERLAND, A SWISS COMPANY.

Inventors : WOLFGANG SAUR & MAX SCHONBACHER.

Application for Patent No. 934/Del/84 filed on 12th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

A process for producing a chemically hardenable substance based on polyurethanes, comprising :

reacting a first component with a second component in a manner known per se; said first component being a prepolymer with isocyanate end groups and said second component being a reaction product of (i) a prepolymer with isocyanate end groups and (ii) a reactive compound containing at least two active hydrogens, said compound, selected from the group consisting of a mercapto alcohol, an amino alcohol, a hydroxy-, thio-/or amino carboxylic acid;

said prepolymers being a reaction product of at least one aliphatic or aromatic diisocyanate monomer or poly-isocyanate with less than the equivalent amount of at least one polyol;

said polyol being selected from the group consisting of polyether, polythioether, polyester, polycaprolactone, polycaprolactam, polycarbonate, polyacrylate, polyurethane and hydrocarbon polymers with at least two hydroxyl functions in the molecule in each case;

whereby the reaction between said first component and said second component is effected such that the equivalent ratio NCO : H (active) of the two components is in the range from 0.8 : 1 to 5 : 1.

Compl. Specn. 30 pages.

CLASS : 105-B; 140-B₂.

162881

Int. Cl. : G 01 d 1/00, 5/00.

AN APPARATUS FOR USE IN AN OIL WELL DURING AN OPERATION TO DETECT EXPOSURE OF A COMPONENT THEREOF TO A SELECTED TEMPERATURE ABOVE AN AMBIENT.

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010, COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : I. HUBERT LYNCHBURG SHALEY.

Application No. 1050/Cal/83 filed August 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for use in an oil well during an operation by which exposure of a component thereof to a selected temperature above an ambient can be detected, comprising

a coupon bonded to inner surface of said component with a bonding agent which changes state from a solid to liquid at a temperature which is equal to at least the selected temperature whereby the bonding agent is not capable of bonding the coupon to the said component when the component is exposed to the selected temperature, and means, positioned on the opposite side of the said component for sonically measuring thickness through said component and any coupon bonded thereto at the location where the coupon was bonded to said component.

Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS : 73; 155-C & D.

162882

Int. Cl. : D 04 h 1/54, 1/58, 5/00, 5/06.

OPEN MESH BELT BONDED FABRIC.

Applicant : CHICOPPE, 317 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : I. ANNAMARIA CESCO CANCIAN, 2. CHARLES J. SHIMAJIA.

Application No. 1187/Cal/83 filed September 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Process for making a non-woven patterned fabric having high bulk and low density, comprising :

(a) Superimposing one side of a web comprising at least 10 percent conjugate fibers comprising a low melting point component on a moving open mesh network surface having open areas therein; and

(b) applying hot air onto the other exposed side of the web to bend the fibers adjacent the open areas into the open areas and to heat and fuse the low melting point component to fibers in the web, thereby forming a fabric with a patterned surface representing pulled fabric regions and densified regions corresponding to the open mesh network.

Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS : 32-F; c.

162883

Int. Cl. : C 07 c 29/15, 31/02.

PROCESS FOR PRODUCING ALCOHOLS.

Applicant : SYNFINA-OLEOFINA S.A., OF PARC INDUSTRIAL D, B-6538 MANAGE.

Inventor : I. MR. HERVE HINNEKENS.

Application No. 500/Cal/84 filed July 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

Process for producing alcohols by hydrogenations of compounds of corresponding number of carbon atoms having an acid, ester or aldehyde function, which comprises carrying out the hydrogenation under a hydrogen pressure of between 20 and 100 bar, at a temperature of between 150 and 300°C and in the presence of a two-component catalyst system constituted of a Cu-Cr mixture as one of the components and of copper deposited on a support as the other component, wherein the weight ratio of the components varies between 1 : 1.5 and 1 : 0.2.

Compl. Specn. 12 pages.

Drg. Nil.

CLASS : 40-B.

162884

Int. Cl. : B 01 j 21/00.

A FLUID CATALYTIC CRACKING CATALYST FOR CRACKING SULFUR CONTAINING PETROLEUM FEEDSTOCKS.

Applicant : ENGELHARD CORPORATION, OF 70 WOOD AVENUE SOUTH ISELIN, NEW JERSEY 08830, UNITED STATES OF AMERICA.

Inventors : 1. JOHN WARREN BYRNE, 2. BARRY KEVEN SPERONELLO.

Application No. 558/Cal/84 filed August 8, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A fluid catalytic cracking catalyst comprising a blend of a catalytically active first component and a second component for reducing the emissions of oxides of sulfur from the regenerator of a fluid catalytic cracking unit, said catalyst comprising :

- (a) 10—70% by weight of fluidizable particles comprising at least 40% by weight Y-faujasite and remainder being silica alumina; and
- (b) 30—90% by weight of fluidizable particles comprising at least 70% by weight alumina and remainder being a compound of a metal selected from the group consisting of cerium, lanthanum, neodymium, praseodymium, samarium, dysprosium, platinum, ruthenium, rhodium, palladium, osmium, iridium and mixture thereof and having an equilibrium surface area in the range of 40—100 m²/g.

Compl. Specn. 29 pages.

Drg. Nil.

CLASS : 28-A.

162885

Int. Cl. : G 05 d 11/08.

AN APPARATUS FOR CONTROLLING A FUEL/AIR MIXTURE FOR EFFICIENT COMBUSTION.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P. O. BOX NO. 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT EUGENE POCKOCK.

Application No. 653/Cal/84 filed September 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An apparatus for controlling fuel/air ratio of a fuel/air mixture for a combustible system having a flue for receiving flue gas as a product of combustion process in the combustion system, the flue gas having a combustible content and an oxygen content comprising :

- a combustible content sensor associated with the flue for sensing the combustible content in the flue gas;
- an oxygen content sensor associated with the flue for sensing oxygen content of flue gas in the flue;
- fuel/air ratio control means connected to the combustion system for controlling the ratio of fuel and air in a fuel/air mixture supplied to the combustion process;

a combustible controller connected between said combustible content sensor and said ratio control means and adapted to receive a combustible content set point for influencing said ratio control means to regulate the fuel/air mixture; and

an oxygen controller connected between said oxygen content sensor and said ratio control means and adapted to receive an oxygen content set point for influencing said ratio control means to regulate the fuel/air mixture.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 129-Q.

162886

Int. Cl. : B 23 k 15/00.

APPARATUS FOR MAINTAINING THE POINT OF IMPACT OF AN ELECTRON BEAM IN THE INTENDED WELD LINE BETWEEN TWO WELDMENTS.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. HENRY ALBERT DOMIAN, 2. CHARLES MICHAEL WEBER.

Application No. 754/Cal/84 filed October 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An apparatus for maintaining the point of impact of an electron beam in the intended weld line between two weldments of the same material, comprising a first means generating a first primary output signal predominantly of a specific wave length and proportional in magnitude to the radiation generated by the electron beam and impinging on one side of the weld line, a second means generating a second primary output signal predominantly of a specific wave length and proportional in magnitude to the radiation generated by the electron beam and impinging on the other side of the weld line, a difference unit responsive to said primary output signals generating an output signal available for the control of the transverse positioning of the electron beam to maintain the point of impact of the electron beam in the intended weld line between the two weldments, said first and second means each including a band of material affixed to a weldment and tracking the intended weld line exposed to the total radiation generated by the electron beam and emitting radiation predominantly of a specific wave length with the radiation emitted by the bands of material being predominantly of different specific wave lengths.

Compl. specn. 8 pages.

Drg. 1 sheet

CLASS : 190-A.

162887

Int. Cl. : F 03 d 9/02.

POWER GENERATING SYSTEM.

Applicant : BHAGWAN JEIRAMDAS KIRPALANI, OF 5, RUSSEL STREET, CALCUTTA-700 016, WEST BENGAL, INDIA.

Inventor : 1. BHAGWAN JEIRAMDAS KIRPALANI.

Application No. 872/Cal/84 filed December 17, 1984.

Complete Specn. left on 4th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A power generating system comprising a wind mill a water lifting pump driven by said wind mill for lifting water from ground or sea-level, a reservoir (5) for storing the water so lifted, outlet pipe (4) communicating from the pump to the reservoir at or near the top of said reservoir, a chamber, (7) an inlet pipe (6) communicating from lower or near the lower end of the reservoir to the chamber, cross-sectional area of the inlet pipe (6) being smaller than that of the outlet pipe, (4) an outlet (8) in said chamber (7) for discharge of water collecting therein from the reservoir and a low pressure water turbine located below the zone of discharge of water from the chamber, the water falling on said turbine rotating the turbine for generating of power.

Provisional specn. 3 pages

Drg. Nil

Compl. specn. 6 pages.

Drg. 1 sheet

CLASS : 128-K.

162888

Int. Cl. : A 61 b 17/00.

INSTRUMENT FOR THROMBUS REMOVAL.

Applicants : 1. BLAGOVESCHENSKY GOSUDARSTVENNY MEDITSINSKY INSTITUT, OF BLAGOVESCHENSK. ULITSA GORKOGO. 95. USSR AND (2) VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I ISPYTATELNY INSTITUT MEDITSINSKOI TENKNIKI. OF MOSCOW ULITSA KASATKINA 3, USSR.

Inventors : 1. YAROSLAV PETROVICH KULIK. 2. IVAN IVANOVICH SHMYRIN. 3. RUSTAM ISMAILOVICH UTAMYSHEV. 4. MARINA NARTISSOVNA VYZHIKOVSKAYA.

Application No. 745/Cal/84 filed October 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An instrument for thrombus removal, comprising an effective cutting member in the form of a scoop whose cutting portion to be in an intimate contact with the organ operated upon, is rectangular in shape, and a handle provided with a channel for the detached thrombus to let out, said handle being connected to said scoop.

Compl. specn. 6 pages.

Drg. 1 sheet

CLASS : 40-B.

162889

Int. Cl. : B 01 j 11/00; C 23 f 9/00.

IMPROVEMENTS IN OR RELATING TO A PROCESS FOR CATALYTIC CRACKING OF HYDROCARBONS.

Applicant : BETZ INTERNATIONAL, INC., OF 4636 SOMERTON ROAD, TREVOSE, IN THE STATE OF PENNSYLVANIA 19047, UNITED STATES OF AMERICA.

Inventors : 1. DAVID ROGER FORESTER. 2. RAYMOND CLAY BARLOW.

Application No. 770/Cal/85 filed October 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

In a process for catalytic cracking of hydrocarbons comprising :

- (a) contacting a hydrocarbon feedstock with a fluidized zeolite-containing cracking catalyst in a cracking zone under cracking conditions;
- (b) leading the cracked product from the cracking zone to recovery zone;

(c) passing the cracking catalyst from the cracking zone to a regeneration zone;

(d) regenerating the cracking catalyst in the regeneration zone by contact with oxygen or oxygen-containing gas such as air under regeneration temperatures and conditions known in the art to produce a regenerated catalyst; and

(e) introducing the regenerated catalyst to the cracking zone for contact with the hydrocarbon feedstock;

wherein the catalyst during the cracking process gets contaminated with from about 500 to 10,000 parts per million parts of catalyst with vanadium contained in the feedstock;

the improvement comprising adding to the vanadium contaminated cracking catalyst prior to its reaching equilibrium and prior to the subjection thereof to regeneration temperature with tin or a material consisting essentially of tin or a source thereof such as herein described the amount of tin utilized being from 1 to 1999 ppm of catalyst.

Compl. specn. 15 pages.

Drg. Nil

CLASS : 195-D & E.

162890

Int. Cl. : F 16 k 7/00, 13/00, 21/00, 31/00.

PRESSURE REDUCING VALVE.

Applicant : TLV COMPANY, LIMITED, OF 8TH FLOOR OF HIBIYA KOKUSAI BUILDING, 2-3, UCHISAIWAI-CHO 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : I. TAKESHI YOKOYAMA.

Application No. 824/Cal/85 filed November 20, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A pressure reducing valve comprising a main valve and a pilot valve, each said valve being associated with a plunger structure comprising a movable inner member having a cylindrical outer surface and a stationary outer member having a cylindrical inner surface facing to said outer surface of said inner member, for controlling said valve; characterized in that said inner member has at least two annular grooves formed apart axially from each other in the outer surface thereof, each said groove containing at least one annular sealing member fit therein, and said sealing member being made of fluorine resin and separated at least at a part thereof.

Compl. specn. 10 pages.

Drgs. 2 sheets

CLASS : 72 B.

162891

Int. Cl. : C 06 b 1/00.

"A WATER-IN-OIL EMULSION EXPLOSIVE COMPOSITION".

Applicant : C-I-I INC., A CORPORATION OF CANADA, OF 90 SHEPPARD AVENUE, EAST NORTH YORK, ONTARIO, CANADA.

Inventor : HOWARD ANTHONY BAMPFIELD.

Application for Patent No. 193/Del/84 filed on 2nd March, 1984.

Convention date 21st April, 1983/426413/(Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A water-in-oil emulsion explosive composition having a density of from 0.9-1.4 g/cc comprising a continuous carbonaceous fuel phase, a discontinuous oxidizer salt aqueous solution phase, and an emulsifier, the said carbonaceous fuel phase comprising a major amount of a commercial grade paraffin wax having a melt point temperature of from 50 to 54°C and a minor amount of rheology modifier/stabilizer combination, which combination comprises an acyclic chain hydrocarbon liquid having a carbon atom chain length up to C 35 and an ethylene-containing polymer which has a molecular weight between 1000 and 3000, is soluble in paraffin wax and has a 5% paraffin wax solution cloud point which is greater than the temperature of formation of the emulsion.

Compl. specn. 19 pages.

162892

Int. Cl.⁴ : C 04 B 33/00, 35/00.

"PROCESS FOR COMPACTING A POROUS CERAMIC STRUCTURAL MEMBER".

Applicant : DEUTSCHE FORSCHUNGS-UND VERSUCHS-ANSTALT FÜR LUFT-UND RAUMFAHRT E. V., A GERMAN COMPANY, OF D-5390 BONN, WEST GERMANY.

Inventors : JURGEN HEINRICH & MANFRED BOHMER.

Application for Patent No. 29/Del/85 filed on 16th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

25 Claims

A process for compacting a porous ceramic structural member of a material such as herein described and having a complicated shape and optional size by encapsulation with a layer of the same type of material as said ceramic structural member, said layer being capable of sintering and subsequent hot isostatic pressing, characterised by the steps of :

- (a) immersing the preformed porous ceramic structural member in a suspension of said material, said suspension being free of any sintering aid, the material being present in a solvent such as herein described and forming a first encapsulating layer on said member;
- (b) subsequently evaporating said solvent;
- (c) immersing the member with its first encapsulating layer in a further suspension of same type of material as that of said first encapsulating layer, said further suspension having therein one or more than one sintering aids in said solvent such as herein described, said immersing thereby forming a second encapsulating layer;
- (d) subsequently evaporating said solvent;
- (e) sintering the thus obtained encapsulated body in an atmosphere of a protective gas such as herein described;
- (f) isostatically compacting by known process the body having after step(e) a tight sintered surface; and
- (g) removing the two encapsulating layers from the member by any known mechanical process.

Compl. specn. 24 pages.

Drgs. 1 sheets

CLASS : 32 B.

162893

Int. Cl. : C 07 c 39/06.

IMPROVED PROCESS FOR ISOMERIZATION OF A CRESOL.

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, UNITED STATES OF AMERICA.

Inventors : DUSAN JASEPH ENGEL, THOMAS PATRICK MALLOY AND JAMES PRIEST SHOFFNER.

Application for Patent No. 91/Del/85 filed on 5th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

An improved process for isomerization of a cresol which comprises the steps of treating said cresol in the presence of a catalyst comprising a crystalline aluminosilicate zeolite at isomerizing conditions and recovering the resultant isomerized product, characterised in that the said step of isomerization is carried out in the presence of hydrogen.

Compl. specn. 16 pages.

162894

Int. Cl.⁴ : G 06 M-11/02.

PROCESS FOR THE PREPARATION OF A REAGENT FOR THE SIMULTANEOUS DETERMINATION OF THROMBOCYTE AND LEUKOCYTE COUNTS WITH A NORMAL OPTICAL MICROSCOPE.

Applicant : REANAL FINOMVE YSZERGYAR, 53, TELEPES U., BUDAPEST XIV., HUNGARY, A HUNGARIAN COMPANY.

Inventor : LASZLO MUSZBEK, ROZA ADANY, ILONA HARSANYI, GABRIELLA ZAJKA.

Application for Patent No. 135/Del/85 filed on 18th Feb., 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of a reagent for the simultaneous determination of thrombocyte and leukocyte counts with a normal optical microscope, characterized by admixing 0.1 to 5.0 parts by weight of acetone with 0.05 to 2.0 parts by weight of formaldehyde or glutaraldehyde, 0.001 to 0.1 parts by weight of a thiazine type dyestuff, preferably toluidine blu, 0.1 to 2.0 parts by weight of a mineral salt, preferably sodium chloride, and up to 100 parts by weight of water.

Compl. specn. 11 pages.

Drgs. 3 sheets

162895

Int. Cl.⁴ : A 23 L 1/00.

A PROCESS OF FORMING A SHRIMP ANALOG.

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, LOCATED AT 250 NORTH STREET, WHITE PLAINS, NEW YORK 10625, UNITED STATES OF AMERICA.

Inventor : MORIMOTO KEISUKE.

Application for patent No. 152/Del/85 filed on 25th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for forming a shrimp analog having improved firmness and elasticity and desirable juiciness and chewiness from an extrudable composition comprising on a weight percent basis from 10% to 40% water, from 50% to 84% heat coagulable vegetable protein, from 4% to 15% of a high amylose-containing starch such as herein described and from 0.2% to 2% of a lipid selected from the group consisting of fatty acids, esters of fatty acids and polar surfactants which comprises and then extruding said composition at a temperature above the gelatinisation temperature of said starch whereby said lipid forms with the amylose content of said starch a lipid-amylose complex within the extrudate, subjecting said extrudate to hydration, treating the hydrated extrudate with a solution of a heat-coagulable binder of the kind described herein and heat setting the binder-treated extrudate to provide the desired improved shrimp analog.

Compl. specn. 13 pages.

CLASS : 32 F₁ (c)

Int. Cl. : C 07 c 127/00.

"A PROCESS FOR THE PREPARATION OF 3-(4-ISOPROPYLPHENYL)-1, 1, DIMETHYL UREA".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KIDAMBI MOHAN, REVANNUR VENKATACHALIAH VENKATARATNAM GOPALA-KRISHNA THIYAGARAJAN, UDAYTRIMBAK BHALE-RAO, SUNGAVARAPU KOTESWARA RAO, MAKINENT PANDURANGA RAO, BANDA NARASAIH, BASANT BAL REDDY & MALVAY ESHWAR RAO.

Application for Patent No. 158/Del/85 filed on 27th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the manufacture of 3-(4-isopropylphenyl)-1, 1-dimethyl urea which comprises adding an aqueous solution of alkali metal cyanate to an aqueous solution of p-isopropylaniline hydrochloride or p-isopropylaniline dissolved in conc. hydrochloric acid, isolating the 4-isopropylphenyl urea and passing dimethylamine gas into a slurry of the said 4-isopropylphenyl urea and an organic solvent, the temperature being maintained at 130—140°C.

Compl. specn. 7 pages.

CLASS 116 C.

162897

Int. Cl. : B 65 g 25 00.

CONVEYING ROPE INCORPORATING SCRAPING ELEMENTS FOR CONVEYING FLOWING MATERIALS.

Applicant & Inventor : CAMILLO PIROVANO, AN ITALIAN CITIZEN, OF LOCALITA CAVIGIOLO, 22052 CERNUSCO LOMBARDONE, ITALY.

Application for Patent No. 185/Del/85 filed on 6th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

Conveying rope incorporating scraping elements for conveying flowing materials of the kind described herein characterised in that it comprises a rope of conventional synthetic material including a flexible core provided at predetermined constant interval with a plurality of nodules such as herein before described security fastened thereto by moulding thereon, said nodules constituting a corresponding number of thickened portions along said rope on which said scraping elements are held firmly in place.

Compl. specn. 8 pages.

Drg. 1 sheet

162898

Int. Cl. : F 03 D 1/00, 1/02.

IMPROVED WINDMILL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SHARAT KUMAR TEWARI, AKKATAMA-NAHALI RAMA RAO VENKATANARAYANA, MUTYA FRANESH RAO RAMESH, ARTHUR CYRIL SAMRAJ.

Application for Patent No. 188/Del/85 filed on 08th MARCH, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved windmill, having two or more blades mounted on a hub characterised in that each side blade consists of one mainspar (21) and two edge spars (22), connected by transverse ribs the air foil surface of the blades consists of three longitudinal strips the leading edge strips (24) of the air foil surface which leads in the direction of the blade rotation is fixed on one of said edge spars, the central strip is symmetrically fixed on said main spar and the trailing edge strip (26) is mounted on the other edge spar, two sets of transverse ribs connecting the spars by means of elastic elements such as rubber strips or rings or metal-springs.

Compl. specn. 8 pages.

Drg. 1 sheet

162899

Int. Cl. : F 16 B 19/00, 19/12.

REPAIR PLUG ASSEMBLY FOR REPAIRING A BREACH IN A GLASS COATED LINING OF A CORROSION RESISTANT VESSEL WALL.

Applicant : KENNECOTT CORPORATION, A NEW YORK CORPORATION, HAVING A PLACE OF BUSINESS AT MIDLAND BUILDING, 101 PROSPECT AVENUE, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventor : ERWIN JOSEPH NUNIST.

Application for Patent No. 209/Del/85 filed on 13th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

13 Claims

A repair plug assembly for repairing a breach in a glass coated lining of a corrosion resistant vessel wall, said assembly comprising :

- (a) a stud secured to said vessel wall and having a partially threaded portion inserted in the breach and a second portion exposed at said lining surface;

- (b) a flexible and compactible packing material disposed over said breach and about the surface of said exposed portion of said stud;
- (c) a containing member about the periphery of said packing material,
- (d) a concave dome-shaped cap mounted over said packing material and having a central aperture therein through which extends the free end of said exposed portion of said stud, and
- (e) means on said stud applying pressure to said cap against said packing material to simultaneously squeeze the material into sealing position against both the exposed portion of said stud and the glass coated surface of said vessel on and about said breach.

Compl. specn. 11 pages.

Drgs. 3 sheets

162900

Int. Cl.⁴ : C 09 J 3/02.

A METHOD OF ADHERING TWO ACTIVE METAL SURFACES.

Applicant : LORD CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE PENNSYLVANIA, UNITED STATES OF AMERICA AND LOCATED AT 2000 WEST GRAND-VIEW BOULEVARD, ERIE, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : DENNIS JON DAMICO.

Application for Patent No. 228/Del/85 filed on 18th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A method of adhering at least two active metal surfaces, one to the other, which comprises applying to at least one of the surfaces an adherent quantity of a one component adhesive composition which is activated upon contact with a said metal surface, and engaging the said two surfaces with the said adhesive composition there between said adhesive composition comprising :

- (A) at least one olefinically unsaturated monomer;
- (B) atleast one polymeric material selected from the group consisting of
 - (1) at least one olefinically unsaturated urethane reaction product of at least one isocyanate-functional prepolymer and at least one hydroxy-functional monomer having at least one unit of polymerizable olefinic unsaturation, such reaction product being characterized by the presence of at least two units of olefinic unsaturation and the substantial absence of free isocyanate groups;
 - (2) at least one butadiene-based elastomeric polymeric material selected from the group consisting of
 - (a) homopolymer of butadiene;
 - (b) copolymer of butadiene and at least one monomer copolymerizable therewith selected from the group consisting of styrene, acrylonitrile, methacrylonitrile and mixtures thereof;
 - (c) modified elastomeric polymeric material selected from the group consisting of butadiene homopolymer and copolymer as previously defined, such homopolymer and copolymer having been modified by copolymerization therein by trace amounts up to 5 percent by weight, based on weight of modified elastomeric material, of at least one functional monomer; and

(d) mixtures thereof;

(3) at least one polymer-in monomer syrup consisting essentially or

(a) from 10 to 98 percent by weight of at least one olefinically unsaturated monomeric compound having at least one $-C=C-$ group;

(b) from 2 to 90 percent by weight of at least one polymer derived from such (3) (a) monomers;

(c) from zero to 30 percent by weight of at least one polymer containing the group $(CH_2-CCl-CHCH_2)_n$, wherein n is an integer;

wherein (3)(b) is present as a partial polymerization product of (3) (a) or of (3) (a) in the presence of (3) (c); the mixture of (3) (a) and (3) (b) or of (3) (a), (3) (b) and (3) (c) being a syrup of polymer dissolved or dispersed in unpolymerized monomer, in which syrup the amount of (3)(b) derived from (3) (a) is in the range from 2 to 90 percent, based on the total weight of (3) (a), (3) (b) and (3) (c);

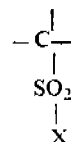
(4) at least one polymeric material selected from the group consisting of polyvinyl alkyl ether, styrene-acrylonitrile resin, unsaturated polyester resin and mixtures thereof, the alkyl moiety of such ether containing from one to 8 carbon atoms;

(5) at least one homopolymer or copolymer of at least one olefinically unsaturated monomer selected from the group consisting of styrene and alkyl or hydroxyalkyl esters of acrylic and methacrylic acid, said ester having one to 18 carbon atoms in the alkyl moiety; and

(6) mixtures of such polymeric materials;

(C) an acidic compound having at least one organic or inorganic acid group;

(D) at least one compound containing at least one sulfonyl halide group having the structure



wherein X is selected from the group consisting of chlorine bromine or iodine; and

(E) at least one organic or inorganic compound containing at least one reducible transition metal said metal having its valence electrons in a "d" subshell, said metal being selected from the elements of classes, Ib, IIb, IIIb, IVb, Vb, VIb, VIIb or VIII on the periodic chart of the elements.

(Complete Specification 29 Pages).

PATENTS SEALED

159094	159858	159881	159883	159890	159962	159963
159997	159999	160000	160002	160011	160013	160143
160145	160221	160222	160239	160240	160241	160242
160243	160245	160246	160252	160253	160254	160257
160258	160259	160260	160262	160269	160270	160271
160278	160282	160284	160323	160337	160392	160600
160611	160612	160613	160615	160621	160622	160623
160624	160625	160626	160628	160632	160633	160636
160637	160644	160645	160647	160670	160677	160682
160683	160685	160686	160687	160688	160689	160691
160692	160693	160699	160700	160701	160702	160704
160706	160709	160710	160711	160713	160718	160719
160723	160724	160725	160746	160747	160752	160756
160757	160759	160761	160767	160771	160806	160808
160809	160810	160811	160812	160813	160925	160963
160983	161024					

RENEWAL FEES PAID

139872	139884	142663	142852	143583	143839	144042
144189	144251	144305	144452	145093	145101	145110
145346	145347	145501	145635	146254	146561	146610
146709	146768	146808	146848	146956	147245	147286
147610	147865	147869	147962	148489	148519	148713
148947	148995	149302	149334	149398	149498	149499
149570	149612	149755	149765	150253	150301	150509
150586	150731	151007	151163	151328	152080	152187
152487	152877	153042	153438	153472	153644	153888
154271	154420	154466	154573	154625	154627	154642
154798	154822	154896	154944	155413	155424	155496
156038	156046	156161	156193	156195	156296	156340
156652	156751	156766	156897	156943	156964	156995
156996	157034	157127	157143	157177	157427	157471
157581	157625	157820	157986	158031	158217	158387
158496	158507	158508	158509	158749	158750	158754
158757	158759	158797	158798	158799	158804	158824
158829	158831	158836	158847	159072	159079	159080
159085	159089	159394	159490	159534	159841	159918
159942	159944	160022	160023	160050	160051	160053

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 150361 dated the 7-3-81 made by Indo-Japanese Industrial Enterprises (P) Limited on the 12-3-86 and notified in the Gazette of India, Part III, Section 2 dated the 19-7-86 has been allowed and the said Patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 155984 dated the 13th January, 1983 made by Nandan Ramdas Chittal on the 12th August, 1987 and notified in the Gazette of India, Part III, Section 2 dated the 12th December, 1987 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 158798. India Metal Industries (a Registered Partnership firm) at Parkh Nagar, S. V. Road, Kandivli (West), Bombay-400 067, Maharashtra, India. "Tiffin carrier". 11th September, 1987.

Class 1. Nos. 158799 & 158800. Kalyanji Shamjibhai Shah, an Indian National of super Enterprises, House No. 1585 Near Nala, S. No. 287/2C, Saravali, at & Post Daharu Road, District Thane, Maharashtra State, India. "GRATER". 11th September, 1987.

Class 1. Nos. 159396 & 159400. Bajaj Auto Limited, Akurdi, Pune-411 035, Maharashtra, India an Indian Company. "Scooter". 15th February, 1988.

Class 1. No. 159489. Dr. Mayank Shah, Indian National of 337 Krishna Niwas, Chandavarkar Road, Opp. Napoo Hall, Matunga, Bombay-400 019, Maharashtra, India, "Air Cooler-cum-conditioner". 14th March, 1988.

Class 3. Nos. 158794 & 158795. Teknociates (a registered Partnership firm) at Bapuji Nivas, 6th floor, Santacruz (East) Bombay-400 055, State of Maharashtra, India. "Std. Barring Device". 11th September, 1987.

Class 3. No. 158797. Lion Pencils Private Limited, (a company incorporated under the Provisions of Indian Companies Act) of Andrew Nagar, S. V. Road, Dahisar, Bombay-400 068, Maharashtra State, India. "Pencil". 11th September, 1987.

Class 3. No. 158925. Evershine Plastic Industries, of C-18, Focal Point, Ludhiana-10, (Punjab), India, an Indian Partnership firm. "Handle-grips". 13th October, 1987.

Class 3. No. 158987. Watchman Domestic Products (a registered Partnership firm) of 412 Amit Industrial Estate, 61, Dr. S. S. Rao Road, Bombay-400 012, State of Maharashtra, India. "Container". 2nd November, 1987.

Class 3. No. 159074. Shako Plastic, Gujarat Industrial Compound, Tilak Nagar, Off Aarey Road, Goregaon (East), Bombay-400 063, Maharashtra, India, an Indian Sole Proprietary firm. "DROP-PER". 30th November, 1987.

Class 3. Nos. 159084, 159086 to 159093. Lego A/S., a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark, "Toy building element". 2nd December, 1987.

Class 3. No. 159095. Lego A/S., a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. a Wheel suspension Unit for a toy vehicle". 2nd December, 1987.

Class 3. No. 159101. Lego A/S., a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. a "Toy Caparison". 2nd December", 1987.

Class 3. No. 159105. Lego A/S., a Danish Company of Aastvej 1, DK-7190 Billund, Denmark. "a Wheel Holder for a toy aircraft". 2nd December, 1987.

Class 3. No. 159144. BP Indian Agencies Joint Enterprise Ltd., (an Indian Company) at Hamilton House J. N. Heredia Marg, Ballard Estate, P. O. Box No. 919 Bombay-400 038, Maharashtra, India. "Air Freshner". 8th December, 1987.

Class 3. No. 159165. La Telemecanique Electrique, a French Corporation of 33 bis, Avenue du Marechal Joffre 92000 Nanterre, France. "a Case for a Disconnectro". 15th December, 1987.

Class 3. No. 159184. Warner-Lambert Company, a Delaware Corporation of 201 Tabor Road, Morris Plains, New Jersey-07950, U. S. A. a "Razor Handle for use with a Cartridge". 23rd December, 1987.

Class 3. No. 159218. Span Diagnostics Private Limited, an Indian Company, carrying on business of 173-B, New Industrial Estate, Road No. 6-G, Udhna-394 210 (SURAT), Gujarat, India. "Biopsy Cassete". 29th December, 1987.

Class 3. Nos. 159219 & 159220. Warner-Lambert Company, a Delaware Corporation of 201 Tabor Road, Morris Plains, New Jersey 07950, U.S.A., a "RAZOR". 29th December, 1987.

Class 3. No. 159346. Modern Moulding Industries of Mahalaxmi Prasad Parapatiwada, Bandora, Ponda, Goa-403 401, State of Goa, India, a registered Proprietorship firm. "Air freshners". 27th January, 1988.

Class 3. No. 159452. The Gillette Company a corporation organised under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston State of Massachusetts 02199 United States of America, manufacturers. "a RAZOR". 2nd March, 1988.

Class 3. No. 159487. Smt. Sudha Nagendra K. an Indian of Nasa India of P. O. Box 2565, Richmond Town, Bangalore-560 025, Karnataka State, India. "SOFT NASAL FILTER". 11th March, 1988.

Class 3. No. 158667. Wimco Pen Company, 11, Mehta Industrial Estate, 1st floor, I. B. Patel Road, Goregaon (East), Bombay-400 063, Maharashtra, India, an Indian Partnership firm. "Lunch Pack". 7th August, 1987.

Class 4. No. 159182. Musko Aroma having office at 266 Gupte Mansion, 3rd Floor, Linking Road, Bandra, Bombay-400 050, State of Maharashtra, India, Indian National "A Bottle" 22nd December, 1987.

Extn. of Copyright for the Second period of five years.

Nos. 156999, 153045, 153196, 153095 Class-1.

Nos. 153209, 156568, 156998, 157141, 157343, 157742, 153198, 153182, 155687, 156571, 156570, 156569 Class-3.

No. 157741 Class-5.

Extn. of Copyright for the third period of five years.

Nos. 156568, 157141, 157343, 157742, 157741, 155687, 156571, 156570, 156569 Class-3.

NAME INDEXES OF APPLICANTS FOR PATENTS FOR THE MONTH OF JANUARY, 1988 (NOS. 1/Cal/88 to 81/Cal/88, 1/Bom/88 to 22/Bom/88, 1/Mas/88 to 62/Mas/88 AND 1/Del/88 to 80/Del/88).

Name & Appln. No.

"A"

AB Volvo Penta.—80/Del/88.

A. H. Robins Company, Incorporated.—13/Mas/88, 61/Mas/88.

APS HVBD NR 996 under Navneendring Til Esprit De Valdemar APS.—68/Del/88.

Affival.—51/Cal/88.

Air Products and Chemicals, Inc.—50/Mas/88.

Alimak AB.—41/Mas/88.

Alsop, P.—28/Cal/88, 63/Cal/88.

American Colloid Company.—3/Del/88.

Arco Chemical Company.—53/Del/88.

Armstrong World Industries Inc.—35/Del/88.

Asea Brown Boveri AB.—41/Del/88.

Atochem.—34/Mas/88, 38/Mas/88, 53/Mas/88.

"B"

BO Andreasson.—72/Del/88.

Babcock Energy Ltd.—65/Del/88.

Babcock & Wilcox Company, The.—1/Cal/88, 2/Cal/88, 50/Cal/88.

Bagaitkar, S. B.—3/Bom/88.

Bajaj Auto Limited.—2/Bom/88, 14/Bom/88.

Bapat, K. P.—11/Bom/88.

Bendix France.—38/Del/88.

Name & Appln. No.

Bergwerksverband GmbH.—46/Del/88.

Bhagat, A. R. S.—59/Cal/88.

Bharat Heavy Electricals Ltd.—55/Del/88.

Biofutura Oy Ltd.—20/Cal/88.

Bolland, G. B.—31/Mas/88.

Bridgestone Corporation.—19/Cal/88.

Broken Hill Proprietary Company Limited, The.—54/Del/88.

"C"

Cassella Aktiengesellschaft.—51/Mas/88, 52/Mas/88.

Central Electronics Limited.—17/Del/88, 18/Del/88, 19/Del/88.

Centre Technique Cuir Chaussure Marequinerie.—76/Del/88.

Challih, R.—57/Cal/88.

Chemische Fabrik Stockhausen GmbH.—58/Del/88.

Chen, I. C. C.—74/Cal/88.

Chevron Research Company.—5/Mas/88.

Council of Scientific & Industrial Research.—73/Del/88.

Couwcnbergs, P.—56/Cal/88.

"D"

Das, U. K.—80/Cal/88.

Davy McKee (London) Ltd.—45/Mas/88.

Degussa Aktiengesellschaft.—46/Cal/88.

Dholaria, K. R.—7/Bom/88, 10/Bom/88.

Didier Engineering GmbH.—37/Cal/88, 38/Cal/88.

Dietia Frayberg GmbH.—3/Mas/88.

Doris Engineering.—47/Del/88.

Dow Chemical Company, The.—14/Mas/88, 24/Mas/88, 32/Mas/88, 36/Mas/88.

Dow Corning Corporation.—54/Mas/88, 62/Mas/88.

"E"

Electro-scan Corporation.—22/Mas/88.

Ennor Industries Private Limited.—20/Mas/88.

Ethicon, Inc.—5/Cal/88.

Exxon Chemical Patents, Inc.—21/Del/88, 24/Del/88, 66/Del/88, 69/Del/88.

"F"

FT A Futurtech Aktiengesellschaft.—40/Del/88.

Filmtec Corporation.—12/Mas/88.

Fisher Controls International, Inc.—26/Mas/88.

Fred O. Barthold.—26/Del/88.

Funk Wärmeaustauscher Apparatebau GmbH.—16/Del/88.

"G"

Gadgil, A.—44/Del/88.

Gadgil and Associates.—62/Del/88.

Gewerkschaft Schalker Eisenhütte Maschinfabrik GmbH.—58/Cal/88.

Name & Appln. No.	Name & Appln. No.
"G"	
Ghosh, S. K.—39/Cal/88. Gillette Company, The.—11/Del/88. Governor and Co. of the Bank of England, The.—77/Del/88. Graf & Cie, AG.—55/Mas/88. Grover, P.—42/Del/88. Gupta, J. P.—48/Cal/88. Gupta, R. P.—14/Del/88. Gupta, R. R.—14/Del/88.	Lubrizol Corporation The.—75/Del/88. Lucas Industries Public Limited Company.—49/Mas/88, 71/Del/88. Lucas-TVS Limited.—46/Mas/88.
"H"	"M"
Halcon SD Group, Inc., The.—60/Del/88. Havel, K.—12/Cal/88, 16/Cal/88. Hedley Purvis Limited.—16/Mas/88. Henkel Kommanditgesellschaft auf Aktien.—15/Mas/88, 19/Cal/88. Hindustan Lever Ltd.—12/Bom/88, 16/Bom/88, 21/Bom/88. Hi-TEK Polymers, Inc.—79/Cal/88. Hoechst Aktiengesellschaft.—41/Cal/88, 42/Cal/88, 43/Cal/88. Huber, H. G.—42/Mas/88.	M. W. Kellogg Company, The.—33/Del/88, 34/Del/88, 36/Del/88. Mane, P. V.—22/Bom/88. Maschinenfabrik Rieter AG.—56/Mas/88. Massey, J. H.—17/Bom/88. Materials Consultants OY.—15/Cal/88. Med Test Systems Inc.—43/Mas/88. Mehta, M. R. (Dr.).—15/Del/88. Merlin Gerin.—23/Mas/88, 29/Mas/88. Metallgesellschaft Aktiengesellschaft.—18/Cal/88, 22/Cal/88. Mieth, H. O.—34/Cal/88. Mealister, S. A.—40/Cal/88. Modi, K. P. (Shri).—13/Bom/88. Moon, S. D.—20/Del/88. Moskovsky Institut Inzhenerov Zhelezodorozhnogo Transporta.—71/Cal/88. Motorola, Inc.—44/Mas/88, 60/Mas/88. Mukherji, P. K.—17/Cal/88.
"I"	
Iel Limited.—60/Cal/88. Indian Institute of Technology.—37/Del/88. Institut Francais Du petrole.—35/Mas/88. Institut Khimii Tverdogo Tela I Pererabotki Mineralnogo Syrya Sibirskogo Otdelenia Akademii Nauk USSR.—45/Del/88. Institutform International Inc.—25/Cal/88. Institutul De Cercetare Si Proiectare Pentru Industria Materialelor De Constructii.—4/Cal/88. International Business Machines Corporation.—49/Del/88, 50/Del/88, 51/Del/88, 52/Del/88, 53/Del/88.	"N"
"J"	NGK Insulators, Ltd.—72/Cal/88. NPP "Mirta".—6/Mas/88. N. V. Philips' Gloeilampenfabrieken.—75/Cal/88. Nair, N. P. (Shri).—13/Bom/88. Narang, A.—4/Del/88. National Council for Cement and Building Materials.—61/Del/88, 74/Del/88. Nauchno-Issledovatel'sky Tsentri Po Tekhnologicheskim Lazeram Akademii Nauk SSSR.—47/Cal/88. Nicholas V Perricone.—3/Cal/88. Nippon Kokan Kabushiki Kaisha.—18/Bom/88, 19/Bom/88, 20/Bom/88.
"K"	"O"
J. F. Adolff AG.—32/Cal/88. Jacobs Manufacturing Co., The.—54/Cal/88. Jain, R. K.—1/Bom/88. Johs, Krause GmbH.—26/Cal/88.	Ole-Bendt Rasmussen.—28/Mas/88. OY Santasalo-Sohlberg AB.—64/Cal/88.
"L"	"P"
Kashyap, S. D.—35/Cal/88, 36/Cal/88. Khandogin, V. I.—52/Cal/88. Khosla, K. G.—5/Del/88. Kinariwala, S. N.—56/Del/88, 57/Del/88. Kysor Industrial Corporation.—13/Cal/88.	Pandey, A.—81/Cal/88. Parle Products Private Limited.—8/Bom/88. Pennwalt Corporation.—33/Cal/88. Petrofina (U. K.) Ltd.—62/Cal/88. Pfizer Inc.—64/Del/88, 67/Del/88. Piaggio & C. S. P. A.—29/Del/88. Pillai, P.—7/Mas/88, 8/Mas/88, 27/Mas/88. Pillai, S.—27/Mas/88. Plessey Company, Plc, The.—25/Mas/88. Proizvodstvennoe Obiedinenie "Nevsky Zavod" Imeni V. I. Lenina.—76/Cal/88. Punshi, R. C.—61/Cal/88.

Name & Appln. No.	Name & Appln. No.
"R"	"T"
Randall Corporation, The.—55/Cal/88.	TI Corporate Services Limited.—59/Mas/88.
Ranghachary, K. A.—1/Mas/88, 2/Mas/88.	TVS-Suzuki Limited.—48/Mas/88.
Rashinkar, N. V.—(Mrs.).—15/Bom/88.	Tata Energy Research Institute.—63/Del/88.
Reeves Brothers, Inc.—37/Mas/88.	Tata Institute of Fundamental Research.—63/Del/88.
Research Foundation of State University of New York, The.—39/Mas/88.	Teledyne Industries Inc.—9/Del/88.
Rhone-Poulenc Films.—21/Mas/88.	Tendolkar, G. S. (Shri).—13/Bom/88.
"S"	Texas Instruments Incorporated.—48/Del/88, 59/Del/88, 78/Del/88.
Spa societa Prodotti antibiotici S.P.A.—44/Cal/88.	Tonannavar, B. G.—4/Bom/88.
Saha, S. P.—77/Cal/88, 78/Cal/88.	Tondolkor, G. S. (Shri).—13/Bom/88.
Sahay, J.—48/Cal/88.	Tsygamov, A.I.I.—52/Cal/88.
Saini, G. C.—21/Cal/88.	"U"
Salzgitter Maschinenbau GmbH.—58/Mas/88.	UC.P Inc.—22/Del/88.
Sanghani, S. K. (Dr.).—9/Bom/88.	Uhde GmbH.—33/Mas/88.
Schenk, M.—23/Del/88.	Union Carbide Corpn.—31/Cal/88.
Schlumberger Industries.—17/Mas/88.	University of Alabama.—10/Mas/88.
Schmid Laboratories, Inc.—18/Mas/88.	"V"
Schulman, N. M.—8/Del/88.	V. K. Enterprise Co. Ltd.—57/Mas/88.
Seshadri, K.—9/Mas/88.	Vakil, K. N.—1/Del/88, 2/Del/88.
Shah, V. C.—6/Bom/88.	"W"
Sharma, N. S.—(Dr.).—5/Bom/88.	Wahren, P. E.—4/Mas/88.
Shell Oil Company.—13/Del/88.	Warner-Lambert Company.—27/Del/88, 28/Del/88.
Shri Ram Fibres Limited.—25/Del/88.	Weirton Steel Corpn.—40/Mas/88.
Siemens Aktiengesellschaft.—23/Cal/88, 24/Cal/88, 45/Cal/88, 73/Cal/88.	Westinghouse Electric Corporation.—8/Cal/88, 29/Cal/88, 30/Cal/88, 65/Cal/88, 66/Cal/88, 67/Cal/88, 68/Cal/88, 69/Cal/88, 70/Cal/88.
Silicongraphics, Inc.—30/Del/88, 31/Del/88.	Whirlpool Corporation.—10/Del/88.
Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.).—7/Del/88.	"Y"
Societe Generale Des Eaux Minerales De Vittel.—70/Del/88.	Y. S. Securities Limited.—11/Cal/88.
Societe Nationale Elf Aquitaine (Production).—39/Del/88.	
Southern Petrochemical Industries Corporation Limited.—47/Mas/88.	
Southern Research Institute.—10/Mas/88.	
Spiridonov, J. A.—52/Cal/88.	
Stein Industrie.—79/Del/88.	
Storage Technology Corporation.—32/Del/88.	
Strassheimer, H.—49/Cal/88.	
Strum, Ruger & Company, Inc.—30/Mas/88.	
Surgikos, INC.—14/Cal/88.	
	R. A. ACHARYA, Controller General of Patents, Designs and Trade Marks

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Designs and Trade Marks